The Financial Feasibility and Redistributive Impact of a Basic Income Scheme in Catalonia

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ABSTRACT

In this paper we present some provisional results of a research project which aims to show how Basic Income is economically feasible in Catalonia and how it would have a strong redistributive impact on income distribution. We use a micro-simulation program specifically designed for this aim in order to evaluate different policy options of tax-benefit integration which involve a Basic Income, and we apply it to an extensive sample of Catalan income tax payers data. The results show that the proposed reforms are broadly feasible in financial terms, and that their impact on Catalan income distribution would be strongly progressive. However, the political feasibility of the reform still remains as an open question.

INTRODUCTORY NOTE

The study we are presenting in this paper is still being developed as a research project financed by the Jaume Bofill Foundation (Barcelona) under the title "Feasibility and Impact of a Universal Basic Income in Catalonia". The project, which is to be finished at the end of 2004, is the first empirical attempt to investigate the economical and political feasibility of a Basic Income scheme in Catalonia, and the authors intend to launch it as a concrete political proposal into the Catalan political agenda. The following results are then to be considered as provisional ones. The microsimulation model we present has been reshaped and modified many times and is still being so. This is the first public presentation of some of the results of the project. The authors will be glad to receive any comment, criticism or suggestion.

1. AIMS AND SCOPE OF THE PROJECT

As the discussion on Basic Income (BI from now on) and its cognates has been progressing in recent years, several studies have tried to analyse the economical feasibility of the proposal in different countries. Among these studies, the most interesting and informative ones are, no doubt, those which make use of microsimulation devices in order to estimate the financial costs and distributive impact of the reform.

Micro-simulation programs which work with income distribution data and taxpayers databases are specially suitable for evaluating the distributive effects of a BI scheme, since the general idea behind the reform advocated by BI supporters is taxbenefit integration, and one of its aims is to achieve a strongly progressive redistribution of income. Models such as POLIMOD have been used for this purpose, for example, in the British case (see Atkinson, 1995; Atkinson & Sutherland, 1989; Jordan, Agulnik, Burbidge and Duffin, 2000). In Spain, a micro-simulation model inspired in POLIMOD, ESPASIM, has been developed and applied to the evaluation of BI and similar schemes (Mercader, 2003). Recently, other useful models with the same aims and potentialities have been presented (Arcarons & Calonge, 2003, 2004; Oliver Rullán & Spadaro, 2004; Sanz, 2003).

Other studies on the economic and political feasibility of BI in Spain deal with how to finance the cost of the reform or with their effects on typically defined individuals and households, but do not rely on empirical income tax and income distribution data (Noguera, 2001; Pinilla, 2004; Pinilla & Sanzo, 2004).

Our model tries to follow this line of research; it is the first one in making such kind of micro-simulation for Catalonia, and it is based on the following inspiring principles (which are very familiar to -and usually advocated by- BI supporters):

- Tax-benefit integration.
- Universal BI paid directly to every individual in a totally unconditional way.
- BI replaces any other existing public cash benefit to the extent its amount is lower; if it is higher, BI is topped-up by the existing benefit until its present

amount (in Spain this is likely to happen, for example, with most of contributory earnings-related state pensions or unemployment benefits).

- The amount of a "total" BI is taken to be equal to the Minimum Wage (which is in fact quite low in Spain -more or less equal to the poverty line for one individual alone-, although the Government now in office has started to boost it).
- The underaged do not receive the total amount of BI, but only a certain percentage (half or one third, depending on the cases).
- The tax rates are equalized for every income regardless its source.
- Any other tax relief, allowance or exemption in income tax is dropped.

By virtue of this reform, it is intended to achieve a substantial reduction in the inequality of income distribution, a simplification and greater coherence of the tax and benefit systems, and, of course, an individual income guarantee for everyone regardless his/her age, work or household condition.

Let us mention, to finish this section, that the model we are applying in this paper has one clear limitation that we will not address here, but that is very relevant for the political -as different from the economical- feasibility of the proposed reform: we are working on the highly fictitious assumption that the Catalan Administration controls 100% of the income tax revenue which is payed in Catalonia (the reality is that it controls only one third). However, since we are committed here only with the question of economic feasibility, this political problem will not be dealed with.

2. DATA AND SAMPLE

The database we have used¹ consists of an individualized, properly stratified, and, of course, anonymous sample of income tax (IRPF) payers for Catalonia in the year 2000. The sample contains about 210.000 cases and displays the main variables and magnitudes defined by the income tax, making it possible to attribute in an almost

¹ The authors want to thank the Direcció General de Programació Econòmica and the Direcció General de Tributs of the Generalitat de Catalunya (Catalan Government) for making available the database information used in this work.

exhaustive way any flow of taxable net income (coming from work, capital, or any other economic activity) to Catalan income tax payers. In addition, the sample is highly representative of the main social and familiar traits of the tax payers, such as age, marital status, number of people in the household, and whether the income tax declaration is individual or joint. This information is the basis of the microsimulation model we have developed in order to present a BI proposal for Catalonia in the year 2003.

Although this database may perform very well for several microsimulation purposes, we would like to mention three important restrictions we face when using it for simulating BI schemes:

1) In the first place, and obviously, the sample only covers income tax payers and the population in their households. The microsimulations, then, cannot include the rest of the Catalan population, which is an important collective for us, since -one may assume- it gathers most of the worse-off in terms of income distribution. As we have said, BI would be paid to everyone, regardless their income level.

This first restriction may be addressed in two different ways:

 a) From the side of the cost of BI, it is of course possible to calculate the amount of resources needed to pay BI to the population not covered by the sample, and to add that cost to the total cost of the simulated reform.

Fortunately, we have estimated that this additional cost would be almost exactly compensated by the savings BI would allow in terms of public cash benefits and social spending. As a glance at **Tables 1 and 2** will easily show, the additional cost of BI for the population not covered by the sample may be estimated in 8041,86 million euros, while the estimated saving in social spending due to the implementation of a BI would be of 8162,87 million euros; so, if we compensate the first amount with the second, we would have a little surplus of 121 million euros. This happy circumstance allows us to work with the sample and the microsimulation model alone in terms of financing BI, without worrying very much about the rest of the population.

TABLE 1ESTIMATED SAVING IN SOCIAL SPENDING WITH A BI REFORM
(Catalonia, 2003)

BI = 5412 €/year (451 €/month)

Source	Saving (in million euros)
Contributory pensions higher than BI	3712,78
Contributory pensions lower than BI	2759,92
Civil servants pensions	257,79
Non-contributory pensions	216,90
Non-contributory unemployment benefits	221,98
Contributory unemployment benefits	473,63
Minimum insertion income (PIRMI)	37,65
Child benefits	311,10
Educational grants	18,77
Administrative spending	152,30
(estimated saving of 33%)	
TOTAL	8162,87

Source: own ellaboration from IDESCAT data (Catalan Statistics Institute), except Calero & Bonal (2003) for educational grants.

TABLE 2 ESTIMATED COST OF BI FOR THE POPULATION NOT COVERED BY THE SAMPLE (Catalonia, 2003)

BI = 5412 €/year	(451	€/month)
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Population	Total	Covered by the sample	Not covered by the sample	Cost of BI for the population not
				covered by the sample (in million
				eurosj
Under 18	1068770	792791	275979	746,79
18 or more	5218630	3870688	1347942	7295,06
Total	6287400	4663479	1623921	8041,86

Source: own ellaboration from the sample data and IDESCAT (Catalan Statistics Institute).

b) From the side of the distributive impact of the reform, we certainly cannot integrate at this stage the income distribution data of the sample with that of the rest of the not covered population (we are, however, working in order to make some estimation). Anyway, it is very reasonable to assume that, since the population not included do not pay income tax, most of them -leaving aside now tax evasion- are people with lower incomes than those included in the sample. This is good news, because it means that our model will probably always *underestimate* the progressivity of the redistributive impact of the reform, as far as we work only with the sample data. If the model -as we will see it is the case-predicts much more egalitarian income distributions after the reform, then we can easily assume than the real resulting distribution will be even more progressive when including the population not covered by the sample.

2) The second restriction is that the sample unit is the taxpayer, not the household, and that there is no direct variable available which allows us to identify how many taxpayers live in each household in those cases when the tax declaration is individual. However, in this case we have been able to estimate the number of households covered by the sample (2.175.306), using and indirect method which combines variables such as "type of income tax declaration" (individual or joint), "number of dependant sons" and "marital status".

3) Thirdly, the data correspond to the year 2000, while our purpose is to launch a reform proposal for the year 2003. However, it has been easy to adopt some hypothesis on the growth of the taxable base or the net incomes which are included in the sample, using the aggregated growth rates of those magnitudes for the period 2000-2002.²

An outline of some of the main magnitudes of the sample, once estimated and projected for the year 2003, may be found in **Tables 3 and 4**.

 $^{^{2}}$ We would like to point out here that microsimulation models have a strong potential for "refreshing" the reference information. See Arcarons & Calonge (2003) or Sanz & others (2003: 19-24) for a review of these possibilities.

	D 2	DATA RAISED AND PROJECTED FOR 2003											
Number of				Aggregated									
cases in the		Population	Households	net income	`ax revenue								
sample	Taxpayers	covered	covered	(Millions €)	Millions €)								
209.364	2.722.220	4.681.306	2.175.306	54.912,46	9.530,81								

TABLE 3MAIN MAGNITUDES OF THE DATA SAMPLE (1)

TABLE 4MAIN MAGNITUDES OF THE DATA SAMPLE (2)

DATA RAISED AND PROJECTED FOR 2003	
Adults under 26	154.504
Adults between 26-35	753.181
Adults between 36-45	769.576
Adults between 46-55	662.577
Adults between 56-65	486.605
Adults over 65	672.644
Declared sons with tax effects	1.182.219
Total population (Adults + declared sons)	4.681.306
Disabled (between 33% and 65% of disability)	154.487
Disabled (more than 65% of disability)	34.546
Declared ascendants with tax effects, up to 65 (included in the 5th adult	1.485
group) en 5° grupo de adultos)	
Declared ascendants with tax effects, over 65 (included in the 6th adult group)	79.758

We would like, to end this section, to make two remarks regarding Tables 3 and 4: a) The contents of the Tables are broadly consistent with the available data from population census and economic statistic databases. b) Note that a considerable number of "declared sons" in income tax may be over 18: that is the reason why this number differs from estimations in Table 2, above.

3. THE MICROSIMULATION MODEL

In this section we will describe the most relevant traits of the microsimulation model we have developed for this research project, in order to obtain different simulations for the financing and distributive impact of a BI scheme. We would like to remark that this microsimulation is entirely applicable to other countries just by replacing the database with the appropriate one.

3.1. Definition of key concepts

We will define here the key concepts for designing the simulations and for analyzing their distributive effects.

RN is the total sum of net incomes (including both the general and the special tax base of the Spanish income tax, IRPF); as we mentioned, a projection has been made (distinguishing between the two tax bases) in order to update the amounts for the year 2003. This magnitude may be understood as a measure of individuals' well-being.

RB is the Basic Income paid to individuals. The model allows to introduce different kinds of payment: a) individual payment for adults, b) individual payment for people under 18, and c) household payment, which may be combined with any of the other two. As we said in section 1, the simulations presented here introduce a BI for adults equal to the Spanish Minimum Wage for 2003 (that is $5412 \in$ per year), while those under 18 receive half of that amount.

QRB is the income tax revenue under the reform proposed in each simulation. This sum may be obtained under two different assumptions: a) under the first one, it is possible to distinguish between the general tax base (income coming from work) and the special one (income coming from any other source), and to apply to each a different tax rate, with different income brackets; b) under the second, the same tax rates and income brackets may be applied to the sum of the two tax bases. Under the two cases, all tax exemptions, allowances and reductions are dropped.

QIRPF is the income tax revenue under fiscal regulation for 2003. To obtain this number it is necessary to adapt the database in order to introduce the legal changes

approved for the 2003 income tax³. This sum is obviously constant in every simulation and allows to define the concepts of deficit, surplus, gain and loss.

"Gain" or "Loss" are the result of comparing the situation before and after the introduction of the BI reform. Formally speaking it is equal to QIRPF - QRB + RB: a positive value indicates a Gain and a negative one a Loss. From this value one can directly derive the concept of "winner" or "loser" and calculate the respective percentages.

Financial surplus or deficit is the concept which compares the global sum of RB and QRB. Of course it is worth to remark that the resulting number as such does not take into account QIRPF. For this reason, any simulation with a "financial surplus" lower than QIRPF has to be considered as not neutral regarding present tax revenue, since it would not provide the income tax revenue obtained in 2003.

Population is the number of individuals which are dependent on the tax payer. This concept is quite important because it makes possible to relate the sample unit -the individual tax payer- with the BI which is paid to every household or family. It makes a lot of sense to take this into account when analysing the distribution between deciles provided by the microsimulation model.

QRB s/RN, **QIRPF s/RN** and **QRB-RB s/RN** are three different tax rates, calculated over RN (or total net income). The first two of them represent the tax burden imposed by the BI reform and by the 2003 income tax regulation, respectively. The third tax rate is essential for our purposes, since it refers to the "real" tax burden imposed when the "nominal" tax rate is compensated by the amount of the BI received. These rates are also a very interesting data when analysing the distribution between deciles after the reform.

³ This adaptation have been presented in Arcarons & Calonge (2004).

3.2. What the simulations offer

The results offered by the microsimulation model may be classified in five broad sets:

1) First, those relative to the total amounts of the magnitudes defined as **RN**, **RB**, **QRB** and **QIRPF**. The model also provides some useful statistics such as the mean, standard error, and confidence intervals for all those variables. This set of results allow to obtain two basic data: the financial deficit/surplus generated by the BI reform, and the global percentages of winners and losers under that reform.

2) Second, the distribution of all those magnitudes between deciles, to which the model adds the concepts of "Population" and the tax rates **QRB s/RN**, **QIRPF s/RN** and **QRB-RB s/RN**. This is a very useful information, since it makes possible to analyse how the introduction of a BI affects individuals differently depending on their income.

3) Third, different indexes are calculated, regarding inequality (Gini), concentration and progressivity (Kakwani y Suits) and redistribution (Redistributive Effect ~ Reynolds-Smolensky), for defined variables such as **RB**, **QRB** and **QIRPF**. In this case, the reference variables for calculating these indexes are **RN** and two new magnitudes which represent the situation *ex-ante* (**RN** - **QIRPF**) and *ex-post* (**RN** – **QRB** + **RB**) the introduction of the BI reform. These indexes are the ones usually calculated in redistribution and inequality studies in order to analyze the global impact of a certain reform.

4) Fourth, the model obtains a table with the distribution of winners and losers within each decile when the reform is introduced, including the percentage of winners/losers, the global gain or loss, and the *per capita* gain or loss. This is a very useful instrument in order to grasp the redistributive impact of the reform on different income groups.

5) Finally, all these results are complemented with some graphs which show the Lorenz and concentration curves, the effective tax rates curves, and the distribution of winners and losers in each decile (in this paper we will only include the latter: see Appendix).

There are two additional possibilities offered by the microsimulation model: the comparation between different reforms or simulations, and the simulation for typical individuals and/or typical households:

a) The first option allows to obtain the distribution between deciles for the variables **RN**, **RB**, **QRB** and **QIRPF**, as long as the winners/losers data, but comparing between two different simulations. The difference is, then, that now the reference values are those of the first simulation and not those of the fiscal situacion for the year 2003.

b) Thanks to second option, one may evaluate the impact of the introduction of the BI reform on one specific type of individual or household.

An extended example of the results this option may provide is shown in the **Appendix** (**Tables A1 and A2**), both for households with one and two taxpayers respectively. We will not go into the analysis of this example here, but just will remark some technical issues to be beared in mind when reading it: 1) The concept of "Media de RN" (Mean net income) referred to each decile is not the most representative measure of inequality, since the dispersion is very high, for example, in the lowest and highest deciles. 2) This same variable is not differentiated in Tables A1 and A2, that is, is referred to the whole sample, and therefore appears as the same for households with one or two taxpayers. 3) In Table A2 (households with two income tax payers), we assume that 66,66% of the net income is earned by the first taxpayer and the other 33,33% by the second one, and we estimate QIRP (total tax burden under present income tax) as the most favourable one (be it trough individual or joint income tax declaration).

4. SOME FIRST SIMULATIONS: ON THE FINANCIAL FEASIBILITY OF A BASIC INCOME SCHEME IN CATALONIA

In this section we will present some selected simulations already done using the model, which explore only some of the possibilities described above. To be concrete, we have chosen four different simulations, which may be described as follows:

Simulation 1 (see Appendix, Table A3)

In this simulation we ask ourselves which flat tax rate would self-finance a BI of the above-mentioned amount (451€/month for every adult person, and half for the underaged; this amount is equal to the Spanish Minimum Wage for the year 2003). The simulation shows that the required rate would be of 57,5%.

Simulation 2 (see Appendix, Table A4)

The second simulation shows that, if we only wanted to finance 50% of such BI out of income tax revenue, the flat tax rate required would be of 37,5%.

Simulation 3 (see Appendix, Table A5)

A third simulation will show what happens if we keep the present income tax rates, but eliminate every tax allowance or relief, and apply the same rates that today are imposed to income from work to any other declared income whatever its source.

Simulation 4 (see Appendix, Table A6)

The fourth simulation introduces five income brackets and apply progressive tax rates to them (from 20% to 60%), higher than present ones.

The results of these simulations, regarding financial as well as distributive issues, are shown in **Tables A3**, **A4**, **A5** and **A6** in the **Appendix**. Let us make some comments about them, having in mind four sensible criteria for their evaluation in order to achieve feasible and desirable BI schemes:

- 1) Self-financing of the reform (that is, minimization of the net deficit).
- 2) Progressivity of its redistributive impact.
- 3) More than 50% of the population covered win (bearing in mind, anyway, that most of the population not covered by the simulation would win too, for reasons already mentioned).
- 4) That the *real* or *actual* tax rates after the reform (that is, once we take into account not only the new *nominal* tax rates but also the effect of BI) are not extremely high.

Let us then try to evaluate the results of the four simulations presented in the Appendix with the help of these conditions.

In **Simulation 1**, a flat-tax rate of 57,5% is shown as the one required in order to fulfil the first condition, that is, self-financing of the reform. This rate would raise enough tax revenue (31.574 million euros) to finance BI for all individuals covered by the sample (22.145 million euros) *plus* the tax revenue raised by present income tax rates (9.530 million euros)⁴. The reform would have a strongly progressive impact on the income distribution, as a simple look at the Gini index and other indicators shows. The percentage of net winners with the reform would be of 56,87%. And, surprisingly, the real tax rates are only extremely high for the highest part of the richest decile; the six first deciles would have lower real tax rates than under present income tax, the seventh decile would stay the same, the eighth and ninth would face a substantial, but not extreme, raise, and the real rate would go beyond 36% only for the tenth decile. In addition, the first five deciles would face negative real tax rates.

In **Simulation 2**, we try to answer the following question: which flat-tax rate would be required in order to finance only 50% of the reform out of income tax revenue? (keeping other things equal). We think it is useful to ask this question because income tax is of course only one of the tools available for a tax system (Hills, 2000), and, in the case of Catalonia today, responsible for only 42,29% of all tax revenues; the rest comes from several and less politically visible sources (mainly VAT and direct

⁴ Let us recall here that, once we add the cost of the BI for the population not covered by the sample, and discount the savings in social spending due to the reform, we have a little surplus of 121 million euros.

taxation on fuel, alcohol, tobacco and other consumptions) (see **Graph 1**, in **Appendix**). It is therefore not impossible to think of a greater financing of the reform out of these other fiscal tools.⁵

In this case the flat-tax rate required would be of 37,3%. This would raise 20.482 million euros, which would be enough in order to finance the present tax revenue (9.530 million euros) and 50% of the cost of BI (that is 11.072 million euros) (see also footnote 4). The progressivity of the reform would be still very strong, but lower than in Simulation 1. In this case, 94,46% of the individuals covered by the sample would win with the reform, but we should bear in mind that 50% of the BI would be financed here through direct taxation and that we have no data available on the distributive impact of that tax raise (which would be most likely regressive as a whole). Finally, the real tax rates after the reform would be remarkably lower than present ones for all deciles (except a raise of less than one point for the richest 2%): this could somewhat compensate for some income groups the raise in direct taxation, but knowing to what extent this is true would require different data from those used in this study.

Simulation 3 poses a different question: what would happen if we tried to give the same BI to everyone but keep the present tax rates, impose them on all sources of income, and eliminate any kind of tax relief and allowance? This means that we would not be applying a flat-tax rate any more, but five different and progressive tax rates to five income brackets. As it is to be expected, then the reform would be far from selffinancing: this design would generate a huge deficit of 16.608 million euros (9.530 million euros of present tax revenue plus 7.078 million euros of BI not financed by the income tax revenue after the reform). The progressivity of the reform would be still strong (slightly lower than in Simulation 1 but higher than in Simulation 2). Obviously almost everyone would win (except 1,3% of the population), and the real tax rates would be much lower for everyone except for the richest 2%).

Simulation 4 keeps the idea of progressive tax rates along five income brackets, but with a much higher nominal rate for each one of them (and also introducing some

⁵ We could think of some reasons for that type of financing (decrease of the tax burden on income from work) and against it (inflationary nature and usual lack of progressivity of direct taxation), but we will not consider these arguments here.

changes in the delimitation of the brackets). In this case, the reform would still generate a deficit of 10.237 million euros. Progressivity would be higher here than in any other of the four simulations, and 88,30% of the population covered by the sample would win. The real tax rates would be lower than present ones except for the richest 5% of that population.

In sum, we may say that the second, third and fourth evaluation criteria that we proposed (progressivity, more than 50% of winners, and non extreme real tax rates) are broadly satisfied by all the simulations presented (if we leave aside the remarkably high real tax rate imposed to the richest decile in Simulation 1); but only Simulation 1 would strictly satisfy the first criteria (self-financing), and Simulation 2 would do it at the price of raising direct taxation, with uncertain and possibly undesirable distributive effects.

5. SOME FINAL COMMENTS

The simulations we have presented in the previous section, as well as others not included here, allow us to list some remarks on the feasibility and distributive impact of a BI scheme in Catalonia, on the problems it would have to face, and on the work still to be done in order to tackle those problems:

- We have seen that in order for the reform to be self-financing we need to introduce remarkably high *nominal* tax rates. In the case of a flat-tax rate, this would be of 57,5%, while if we introduce a set of different progressive tax rates, then the rate for the richest income brackets should be even much higher (and this may be a reason to favour a flat rate when introducing a BI at the same time). This fact does not necessarily affect the economic feasibility of the proposal, but seems to place serious doubts about its political feasibility.
- However, we have also shown that these high *nominal* tax rates are not so dramatic when they are compared with the *actual* tax rates they would imply, once we take into account the whole impact of the reform (including

the effect of BI): in fact, *an extreme raise of actual tax rates is only to be expected for the richest income decile* (that is, for 10% -or even less- of the taxpayers). To the extent we are concerned with the political feasibility of BI, this point has to be strongly stressed when explaining the proposal in the public sphere. The whole sense of BI proposals has to do precisely with the combined tax-benefit impact of the pair "raised tax rates + BI".

- Let us recall, moreover, that most of the population not covered by the sample (about 25% of the total) would very probably win with the reform, so the real percentage of losers among the whole population would be even lower than the one which results from the simulations.
- Another interesting fact is that our simulation model, in its present shape, allows to see how income is redistributed between households; we have shown that the degree of progressivity of that redistribution when introducing a BI would be very high, but we may assume that *intrahousehold redistribution* (that is, redistribution among individuals) would be even higher -and perhaps the most relevant one if one of BI's rationales is to enhance individual's autonomy and 'real freedom'-. Unfortunately, we do not have at this stage the required tools for quantifying such an impact.
- Finally, Tables A1 and A2 (see Appendix) show a disturbing effect of the reform for those taxpayers who live alone, compared with the other types of households: this, of course, has to do with scale economies, and we should worry about it only if we have reasons to assume that some people are not free at all to chose the type of household where they want to live (which seems a very reasonable assumption). We have not addressed this question here, but let us note again that our model allows to introduce a "household BI" which would tackle this problem (an idea suggested and developed by Pinilla & Sanzo, 2004). This is one of the issues which the project should explore in the future.

We will end this paper by asking the following question: what could be done in order to try to overcome some of the above-mentioned problems and to make the reform more "marketable" in the political realm? Let us just mention some options:

- *Lowering the amount of BI*: one may say that the BI we have introduced in our simulations is really an ambitious one, and that a good 'second-best' when facing financing and political problems would be to lower its amount. We have done some simulation work on this hypothesis. Some broad comments on the results are the following:
 - o If we pay only half of the proposed amount (that is, 2706 € / year), then the flat tax-rate needed to finance that BI (37,5%) is not enough lower to avoid all problems of political feasibility, but the redistributive impact of the reform is very much lower and less progressive (although 51% of the taxpayers still win); the real tax rates would be higher than now from the seventh decile on. Maybe the lesson then is that, once we introduce a BI system, is better to 'go for the whole cake'.
 - o If we pay a quite lower BI of, say, 1200 € / year (that would be 100 € / month), then the present income tax rates, under the assumptions adopted in Simulation 3, would be broadly enough to finance the reform, 59% of taxpayers would win, and actual tax rates would be quite acceptable; however, redistribution would not be so high as in the other simulations, and of course we would have to keep the whole set of present social benefits to top-up the BI in defined situations. Anyway, this maybe a good way of introducing the "BI culture" into present tax and benefit systems.
 - Another option would be to lower the BI paid to the underaged. Our model shows that to pay to them 1/3 of the standard amount instead of ¹/₂ would save about 1.000 million euros (which is an important number, but far from enough to make the reform self-financed out of income tax in Simulations 2, 3 and 4). We think to pay an even lower BI for the underaged would not be advisable, since their BI would then easily fall below the amount of present child benefits.

- *Finding other sources of financing*: we may of course think of other sources of revenue in order to finance the reform. We made reference, when commenting Simulation 2, to other fiscal tools like direct taxation, and to the problems that using them would probably place in distributive terms. But we do not need to limit ourselves to that option: there are other public expenditures that maybe would lose much of their sense when a BI system is operating (such as some of the expenditures in employment policies, occupational training, social services, subsidies to labour hiring and other subsidies to private schools or hospitals, agrarian subsidies, fight against crime, prisons and courts of justice, new tax revenues due to the legalization of a part of the black economy, not to mention the rest of fiscal fraud).
- *Introducing a Negative Income Tax*: finally, another option would be to make the reform distributively neutral for the central deciles in income distribution, through a Negative Income Tax mechanism. This would of course lower the percentage of winners (and also of losers: most of the taxpayers would remain as in present situation), and would still affect negatively work incentives and enhance poverty and employment traps. But it may be worth to reshape and use the simulation model in order to calculate the results of this option.

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APPENDIX

	Decila	Media de			QIRPF	QRB-RB	
	de RN	RN 0.050 C	QIRPF		S/RN	S/RN	GOP
	20%	2.058 €	0€	1.183 €	0,00%	-205,59%	4.231€
	20 %	9.360 E	214 €	3.105 € 4.807 €	2,55%	-40,83 %	2.249 C
	40%	10 910 £	214€ 508€	6.273 €	2,55%	7 87%	-350 €
lto	40 %	10.910€ 13 395 <i>€</i>	1 463 €	7 702 €	4,00%	17.08%	-330 € -825 €
Adu	60%	16 105 E	2 112 E	0.260 E	13 12%	23 88%	-023 E
Ĩ	70%	10.105 €	2.113 €	9.200 E	15,12%	20,00%	-1.735 E
gar	80%	24 075 €	2.950€	13.8/3€	17 / 7%	25,50%	- <u>4</u> 224 €
Я	00%	24.075 € 31.105 £	4.205 € 6 100 €	17.043€	10.87%	40.14%	-6.324 €
	90%	43.670 €	10.778 €	25 110 €	24 68%	45,14%	-8.918 £
	08%	43.070 € 62.330 €	18.605 €	25.110€	29,85%	48,10%	-0.910 € -11 821 €
	100%	140 845 E	57 986 €	86 161 €	38 70%	53 80%	-11.021€ -22.760 €
	100%	2 058 £	0.6	1 193 E	0.00%	468 68%	-22.700 C
	20%	5 505 €	0€	3 165 €	0,00%	-139 21%	7.663€
	30%	8.360 €	0 €	4 807 €	0.00%	-72 03%	6 022 €
	40%	10 910 €	0 €	6 273 €	0.00%	-41 76%	4 556 €
ltos	50%	13 395 €	647 <i>€</i>	7 702 €	4 83%	-23 34%	3 773 €
νdu	60%	16.105€	1 297 €	9 260 €	8.05%	-9 74%	2 866 €
=2 4	70%	19.615€	2 140 €	11 279 €	10.91%	2 29%	1 690 €
gar:	80%	24 075 €	3 253 €	13 843 €	13.51%	12 52%	239€
Hộ	90%	21.070 C	5.260 €	17 937 €	16,81%	22 79%	-1 862 €
	95%	43 670 €	9 520 €	25 110 €	21.80%	32 70%	-4 762 €
	98%	62 330 €	17 075 €	35 840 €	27 39%	40.13%	-7 936 €
	100%	149.845€	56.456 €	86.161 €	37.68%	50.27%	-18.876€
	10%	2.058€	0€	1,183€	0.00%	-337.14%	6.938€
	20%	5.505€	0€	3.165€	0,00%	-90,03%	4.956 €
o	30%	8.360€	109€	4.807€	1,30%	-39,65%	3.423€
nen	40%	10.910€	403€	6.273€	3,70%	-16,94%	2.252€
÷	50%	13.395€	1.295€	7.702€	9,67%	-3,13%	1.714 €
4 2	60%	16.105€	1.945€	9.260€	12,08%	7,07%	806€
lub	70%	19.615€	2.788€	11.279€	14,21%	16,09%	-369 €
ت ۲	80%	24.075€	4.009€	13.843€	16,65%	23,77%	-1.713€
jar=	90%	31.195€	6.003€	17.937€	19,24%	31,47%	-3.813€
Hoc	95%	43.670€	10.519€	25.110€	24,09%	38,90%	-6.470€
	98%	62.330€	18.290 €	35.840 €	29,34%	44,47%	-9.429€
	100%	149.845€	57.671 €	86.161€	38,49%	52,08%	-20.368€
	10%	2.058€	0€	1.183€	0,00%	-468,68%	9.645€
ø	20%	5.505€	0€	3.165€	0,00%	-139,21%	7.663€
ore:	30%	8.360 €	0€	4.807 €	0,00%	-72,03%	6.022€
Jen	40%	10.910€	291 €	6.273€	2,67%	-41,76%	4.846€
2 n	50%	13.395€	1.115€	7.702€	8,32%	-23,34%	4.241 €
+ 9	60%	16.105€	1.765 €	9.260 €	10,96%	-9,74%	3.334 €
dult	70%	19.615€	2.608 €	11.279€	13,29%	2,29%	2.158€
1 A	80%	24.075€	3.799€	13.843€	15,78%	12,52%	785€
ari	90%	31.195€	5.793€	17.937€	18,57%	22,79%	-1.316€
log	95%	43.670 €	10.241€	25.110€	23,45%	32,70%	-4.040€
-	98%	62.330 €	17.952€	35.840€	28,80%	40,13%	-7.059€
	100%	149.845€	57.334 €	86,161€	38.26%	50.27%	-17.998€

TABLE A1. GAIN AND LOSS BY TYPE OF HOUSEHOLD (HOUSEHOLDS WITH ONE TAXPAYER, FOR SIMULATION 1)

	Decila de RN	Media de RN	QIRPF	QRB	QIRPF s/RN	QRB-RB s/RN	GoP
	10%	2.058 €	0€	1.183€	0,00%	-600,23%	12.353 €
	20%	5.505€	0€	3.165€	0,00%	-188,39%	10.371€
IOU	30%	8.360 €	0€	4.807€	0,00%	-104,41%	8.729€
me	40%	10.910€	0€	6.273€	0,00%	-66,57%	7.263€
+	50%	13.395€	419€	7.702€	3,13%	-43,55%	6.253 €
tos	60%	16.105€	961 €	9.260€	5,97%	-26,55%	5.237 €
qup	70%	19.615€	1.804 €	11.279€	9,20%	-11,51%	4.061 €
5 5	80%	24.075€	2.874 €	13.843€	11,94%	1,28%	2.567€
ar=	90%	31.195€	4.855€	17.937€	15,56%	14,11%	453€
fog	95%	43.670€	9.002€	25.110€	20,61%	26,50%	-2.572€
-	98%	62.330 €	16.445€	35.840 €	26,38%	35,78%	-5.859€
	100%	149.845€	55.826 €	86.161€	37,26%	48,47%	-16.799€
	10%	2.058€	0€	1.183€	0,00%	-731,77%	15.060 €
ő	20%	5.505€	0€	3.165€	0,00%	-237,56%	13.078€
ore	30%	8.360 €	0€	4.807€	0,00%	-136,80%	11.436 €
nen	40%	10.910€	0€	6.273€	0,00%	-91,38%	9.970€
2	50%	13.395€	194 €	7.702€	1,45%	-63,76%	8.735€
+ sc	60%	16.105€	601 €	9.260€	3,73%	-43,36%	7.584 €
ulto	70%	19.615€	1.444 €	11.279€	7,36%	-25,31%	6.408 €
Ρq	80%	24.075€	2.514 €	13.843€	10,44%	-9,97%	4.914€
r=2	90%	31.195€	4.435€	17.937€	14,22%	5,43%	2.741€
oga	95%	43.670€	8.447 €	25.110€	19,34%	20,30%	-420€
Ĭ	98%	62.330 €	15.770 €	35.840 €	25,30%	31,44%	-3.827€
	100%	149.845€	55.151 €	86.161€	36,81%	46,66%	-14.766€
	10%	2.058€	0€	1.183€	0,00%	-863,32%	17.767€
ş	20%	5.505€	0€	3.165€	0,00%	-286,74%	15.785€
ore	30%	8.360 €	0€	4.807€	0,00%	-169,18%	14.143 €
nen	40%	10.910€	0€	6.273€	0,00%	-116,20%	12.677 €
3.	50%	13.395€	0€	7.702€	0,00%	-83,97%	11.248 €
+ so	60%	16.105€	271€	9.260€	1,68%	-60,17%	9.961 €
ulto	70%	19.615€	916 €	11.279€	4,67%	-39,11%	8.587 €
Ad	80%	24.075€	1.986 €	13.843€	8,25%	-21,21%	7.093€
1 1 2	90%	31.195€	3.819€	17.937€	12,24%	-3,25%	4.832€
oga	95%	43.670 €	7.633€	25.110€	17,48%	14,11%	1.473€
Ť	98%	62.330 €	14.780 €	35.840 €	23,71%	27,10%	-2.110€
	100%	149.845€	54.161 €	86.161€	36,14%	44,85%	-13.049€

	Decila de RN	Media de RN	QIRPF	ORB	QIRPF s/RN	QRB-RB	GoP
	10%	2 058 €	0 <i>€</i>	1 183 <i>€</i>	0.00%	-468 68%	9.645.€
	20%	5 505 €	0 €	3 165 €	0.00%	-139 21%	7.663€
	30%	8.360 €	0 € 0 €	4 807 €	0.00%	-72 0.3%	6 022 €
ú	40%	10,910 €	0 €	6 273 €	0.00%	-41 76%	4 556 €
lto	50%	13 395 €	269 <i>€</i>	7 702 €	2 01%	-23.34%	3 396 €
Adu	60%	16 105 €	<u>476</u> €	9 260 €	2,96%	-9 74%	2 044 €
12	70%	19.615€	830 €	11 279 €	4 23%	2 29%	380 €
gar	80%	24 075€	2 254 €	13 843 €	9.36%	12.52%	-760 €
Я	90%	31 195€	3 702 €	17 937 €	11 87%	22 79%	-3 406 €
	95%	43 670 €	7 346 €	25 110 €	16.82%	32 70%	-6 936 €
	98%	62,330 €	13 239 €	35 840 €	21 24%	40 13%	-11 772 €
	100%	149 845 €	48 542 €	86 161 €	32.39%	50 27%	-26 790 €
	10%	2 058 €	0.012 C	1 183 €	0.00%	-600 23%	12 353 €
	20%	5 505 €	0€	3 165 €	0.00%	-188.39%	10.371€
nor	30%	8.360 €	0 €	4 807 €	0.00%	-104 41%	8 729 €
mei	40%	10,910 €	0€	6 273 €	0.00%	-66.57%	7 263 €
÷	50%	13 395 €	164 <i>€</i>	7 702 €	1 22%	-43 55%	5 998 €
s S	60%	16 105 €	371€	9 260 €	2.30%	-26 55%	4 647 €
ulto	70%	19.615€	662 <i>€</i>	11 279 €	3 38%	-11 51%	2 919 €
Ad	80%	24 075 €	1 981 €	13 843 €	8 23%	1 28%	1 674 €
12	90%	31 195 €	1.001 € 3 401 €	17 937 €	10,20%	14 11%	-1 000 €
oga	95%	43 670 €	6 982 €	25 110 €	15,00%	26 50%	-4 593 €
Ĭ	98%	62 330 €	12 784 €	35 840 €	20.51%	35 78%	-9 520 €
	100%	149 845 €	47 956 €	86 161 €	32 00%	48 47%	-24 668 €
	10%	2.058€	0€	1.183€	0.00%	-731.77%	15.060 €
ú	20%	5.505€	0€	3.165€	0.00%	-237.56%	13.078 €
ore	30%	8.360€	0€	4.807 €	0.00%	-136.80%	11.436 €
Jen	40%	10.910€	0€	6.273€	0.00%	-91,38%	9.970€
2 u	50%	13.395€	52€	7.702€	0.39%	-63,76%	8.593 €
ې د	60%	16.105€	258 €	9.260 €	1,60%	-43,36%	7.241€
ulto	70%	19.615€	526€	11.279€	2,68%	-25,31%	5.491 €
Ad	80%	24.075€	1.713€	13.843€	7,12%	-9,97%	4.114€
12 12	90%	31.195€	3.097 €	17.937 €	9,93%	5,43%	1.403€
oga	95%	43.670€	6.592€	25.110€	15,09%	20,30%	-2.275€
Ť	98%	62.330€	12.296 €	35.840€	19,73%	31,44%	-7.300€
	100%	149.845€	47.341€	86.161€	31,59%	46,66%	-22.576€
	10%	2.058€	0€	1.183€	0,00%	-863,32%	17.767€
S	20%	5.505€	0€	3.165€	0,00%	-286,74%	15.785€
ore	30%	8.360€	0€	4.807€	0,00%	-169,18%	14.143€
nen	40%	10.910€	0€	6.273€	0,00%	-116,20%	12.677€
3 1	50%	13.395€	0€	7.702€	0,00%	-83,97%	11.248 €
+ s	60%	16.105€	93 €	9.260€	0,58%	-60,17%	9.783€
ulto	70%	19.615€	361 €	11.279€	1,84%	-39,11%	8.033€
Ρq	80%	24.075€	1.449€	13.843€	6,02%	-21,21%	6.557€
1 =2	90%	31.195€	2.668 €	17.937€	8,55%	-3,25%	3.681 €
oga	95%	43.670€	6.020 €	25.110€	13,78%	14,11%	-140€
Ť	98%	62.330€	11.620 €	35.840€	18,64%	27,10%	-5.270€
	100%	149.845€	46.439€	86.161€	30.99%	44.85%	-20.771€

TABLE A2. GAIN AND LOSS BY TYPE OF HOUSEHOLD (HOUSEHOLDS WITH TWO TAXPAYERS, FOR SIMULATION 1)

TABLE A3. SIMULATION 1

PARÀMETRES I CARA Renda Bàsica per adu Renda Bàsica per mei Renda Bàsica per llar	SIMUL CTERÍSTIC It nor de 18 ar	ACIÓ-1 QUES nys	5.414,40 2.707,20 No es conte	€ anuals € anuals empla	1								
Base imposable gene	ral i especia	al conjuntes	3										
Tarit	a Base con	junta											
TRAM-1 0€	En endav.	57,50%											
RESULTATS GENERA	LS												
			MITJA	NA (€)			TOTAL (m	nilions d'€)					
Variables		Valor	Err. Est.	Limit	s 95%	Valor	Err. Est.	Limit	s 95%				
Rendiment net (RN)		20 171 94	106.85	19 962 51	20 381 38	54 912 46	469 91	53 991 43	55 833 48	I			
Renda Bàsica (RB)		8.135.26	21.32	8.093.48	8.177.04	22.145.96	141.68	21.868.27	22.423.65				
Quota supòsit RB (QF	(B)	11.598.87	61.44	11.478.44	11,719,29	31,574,66	270.20	31.045.07	32,104,25				
Quota supòsit IRPF (0	QIRPF)	3.501,12	24,65	3.452,80	3.549,44	9.530,81	87,28	9.359,74	9.701,88				
Declarants		2.722.220								I			
Població detectada		4.681.306	Supera	vit Financa	ment RB =	9.429 Milio	ns d'€						
Nombre de llars detec	tades	2.175.736		% de Gu	anyadors =	56,87%							
DECILS (ordenació se	aons RN):	Rendiment	net. Renda	Bàsica i Qu	iotes					I			
	- /	10%	20%	30%	40%	50%	60%	70%	80%	90%	95%	98%	100%
Variables		acum.	acum.	acum.	acum.	acum.	acum.	acum.	acum.	acum.	acum.	acum.	acum.
		1,020%	2,729%	4,146%	5,410%	6,644%	7,980%	9,731%	11,937%	15,460%	10,833%	9,268%	14,842%
Rendiment net (RN)		1,020%	3,749%	7,896%	13,305%	19,949%	27,929%	37,660%	49,597%	65,057%	75,890%	85,158%	100,000%
Danala Distan (DD)		8,261%	8,781%	9,310%	9,740%	10,247%	10,542%	10,733%	10,405%	10,909%	5,553%	3,314%	2,206%
Renda Basica (RB)		8,261%	17,042%	26,352%	36,092%	46,338%	56,880%	67,613%	78,018%	88,927%	94,479%	97,794%	100,000%
Quota supòsit RB (QF	RB)	1,020%	2,729%	4,146%	5,410%	6,644%	7,980%	9,731%	11,937%	15,460%	10,833%	9,268%	14,842%
Quota supòsit IRPF (0	QIRPF)	0,031%	0,355%	1,193%	2,221%	3,498%	5,033%	7,241%	10,606%	16,105%	13,576%	13,928%	26,214%
		7 7 4 7 9/	0,300%	0.067%	3,000%	1,290%	10,5670/	19,071%	10 5749/	40,202%	59,000%	2 5010/	2 2250/
Població		7,747%	8,422% 16,169%	9,007% 25,236%	9,037% 34,873%	45,097%	55,663%	66,589%	77,163%	88,388%	94,174%	97,675%	2,323%
DECILS (ordenació se	gons RN):	Tipus impo	sitius										
Variables		10%	20%	30%	40%	50%	60%	70%	80%	90%	95%	98%	100%
QRB s/RN		57,500%	57,500%	57,500%	57,500%	57,500%	57,500%	57,500%	57,500%	57,500%	57,500%	57,500%	57,500%
QIRPF s/R	4	0,527%	2,260%	4,992%	7,127%	9,137%	10,947%	12,915%	15,420%	18,081%	21,751%	26,082%	30,655%
(QRB-RB) s/F	RN	-269,0%	-72,3%	-33,1%	-15,1%	-4,7%	4,2%	13,0%	22,3%	29,0%	36,8%	43,1%	51,5%
ÍNDEXS: Desigualtat,	Concentrac	ció, Progres	sivitat i Ree	distribució									
ÍNDEXS		VARIABLES	6	R	N	RN - QIRPF		RN - QF	RB + RB				
GINI				0,4	615	0,4	163	0,2	930	I			
	Renda Bàs	sica		0,0	493	0,0	593	0,1	586				
CONCENTRACIÓ	Quota sup	òsit RB		0,4	615	0,4	604	0,4	205				
	Quota sup	òsit IRPF		0,6	817	0,6	705	0,6	061				
	Renda Bàs	sica		-0,4	122	-0,3	3570	-0,1	344				
KAKWANI	Quota sup	òsit RB		0,0	000	0,0	441	0,1	275				
	Quota sup	òsit IRPF		0,2	202	0,2	542	0,3	131	1			
	Renda Bàs	sica		-0,4	247	-0,3	3677	-0,1	460				
SUITS	Quota sup	òsit RB		0,0	000	0,0	543	0,1	386				
	Quota sup	osit IRPF		0,2	701	0,3	126	0,3	569				
EFECTE	Renda Bàs	sica		-0,2	2786	-0,3	3403	-0,1	275				
REDISTRIBUTIU	Quota sup	òsit RB		0,0	000	0,1	009	0,2	895				
	Quota sup	osit iRPF		0,0	462	0,0	676	0,0	830	:			
Distribució de Guanya	adors-Perde	edors (orde	nació sego	ns RN)									
Variables		10%	20%	30%	40%	50%	60%	70%	80%	90%	95%	98%	100%
% Guanyadors		100,00%	100,00%	99,64%	82,07%	56,68%	47,74%	37,70%	24,89%	16,55%	6,26%	0,87%	0,23%
Guany total (Milions o	1€)	1.510,23	1.116,83	866,40	680,22	596,94	504,42	378,06	216,44	127,64	16,25	2,77	2,84
Guany per capita (€)		5.548	4.103	3.194	3.044	3.869	3.881	3.684	3.195	2.833	1.908	3.880	22.407
% Perdedors	c)	0,00%	0,00%	-0,37%	-17,93%	-43,35%	-52,21%	-62,36%	-75,12%	-83,39%	-93,78%	-99,09%	-99,67%
Pèrdua total (Millons d'		0,00	0,00	0,06 62	19,67	92,11 794	209,77	383,56 2 250	070,58 3 270	1.058,17	913,11	ŏo/,/1 10.723	1.702,20
		0	5	52	700		1.470	2.200	0.210	4.001	7.100	10.720	01.000



Simulació-1

TABLE A4. SIMULATION 2

PARÀMETRES I CARA	SIMULACIÓ ACTERÍSTIQUES	-2											
Renda Bàsica per adu	ılt		5.414,40	€ anuals									
Renda Bàsica per me	nor de 18 anys		2.707,20	€ anuals									
Renda Bàsica per llar		Ν	No es conte	empla									
Base imposable gene	ral i especial conj	intes											
Tari	fa Base conjunta												
TRAM-1 0€	En endav. 37,3)%											
RESULTATS GENER	LS												
Mariahia		- T	MITJA	NA (€)	- 05%		TOTAL (m	ilions d'€)	- 05%				
variables	Va	or	Err. Est.	Limit	S 95%	Valor	Err. Est.	Limit	5 95% Sum				
Rendiment net (RN)	20.1	1 94	106.85	19 962 51	20 381 38	54 912 46	469 91	53 991 43	55 833 48				
Renda Bàsica (RB)	8.1	5.26	21.32	8.093.48	8.177.04	22.145.96	141.68	21.868.27	22.423.65				
Quota supòsit RB (QI	RB) 7.52	4,13	39,86	7.446,02	7.602,25	20.482,35	175,28	20.138,80	20.825,89				
Quota supòsit IRPF (QIRPF) 3.50	1,12	24,65	3.452,80	3.549,44	9.530,81	87,28	9.359,74	9.701,88				
Declarants	2.72												
Població detectada	4.68	.306	Dèf	icit Finança	ment RB =	1.664 Milio	ns d'€						
Nombre de llars dete	ctades 2.17	.736		% de Gu	anyadors =	94,46%							
DECILS (ordenació se	egons RN): Rendi	nent n	iet, Renda	Bàsica i Qu	iotes								
Variables	10	<u></u>	20%	30%	40%	50%	60%	70%	80%	90%	95%	98%	100%
	acu 1.03		2 720%	acum. 4 146%	5 410%	6 644%	7 980%	9 731%	acuili. 11 937%	15 460%	acuill. 10.833%	9 268%	acuill. 14 842%
Rendiment net (RN)	1.02)%	3.749%	7.896%	13.305%	19.949%	27.929%	37.660%	49.597%	65.057%	75.890%	85.158%	100.000%
	8,26	1%	8,781%	9,310%	9,740%	10,247%	10,542%	10,733%	10,405%	10,909%	5,553%	3,314%	2,206%
Renda Basica (RB)	8,26	%	17,042%	26,352%	36,092%	46,338%	56,880%	67,613%	78,018%	88,927%	94,479%	97,794%	100,000%
Quota supòsit RB (OF	1,02)%	2,729%	4,146%	5,410%	6,644%	7,980%	9,731%	11,937%	15,460%	10,833%	9,268%	14,842%
auota suposit no (ai	1,02	0%	3,749%	7,896%	13,305%	19,949%	27,929%	37,660%	49,597%	65,057%	75,890%	85,158%	100,000%
Quota supòsit IRPF (QIRPF) 0,03	1%	0,355%	1,193%	2,221%	3,498%	5,033%	7,241%	10,606%	16,105%	13,576%	13,928%	26,214%
	0,03	%	0,386%	1,579%	3,800%	7,298%	12,331%	19,571%	30,177%	46,282%	59,858%	73,786%	2 2 2 5 %
Població	7,74	%	0,422% 16.169%	9,007% 25.236%	9,037% 34.873%	45.097%	55.663%	66.589%	77.163%	88.388%	94.174%	97.675%	2,323%
	· ·												,
DECILS (ordenació se	egons RN): Tipus	mposi	itius										
Variables	10	6	20%	0.00/									
		•	20 /6	30%	40%	50%	60%	70%	80%	90%	95%	98%	100%
QRB s/RN	37,3	0%	37,300%	30% 37,300%	40% 37,300%	50% 37,300%	60% 37,300%	70% 37,300%	80% 37,300%	90% 37,300%	95% 37,300%	98% 37,300%	100% 37,300%
QRB s/RN QIRPF s/RI	37,30 N 0,52	0% 7%	20% 37,300% 2,260%	30% 37,300% 4,992%	40% 37,300% 7,127%	50% 37,300% 9,137%	60% 37,300% 10,947%	70% 37,300% 12,915%	80% 37,300% 15,420%	90% 37,300% 18,081%	95% 37,300% 21,751%	98% 37,300% 26,082%	100% 37,300% 30,655%
QRB s/RN QIRPF s/RI (QRB-RB) s/	37,30 N 0,52 RN -289	0% 7% 2%	37,300% 2,260% -92,5%	30% 37,300% 4,992% -53,3%	40% 37,300% 7,127% -35,3%	50% 37,300% 9,137% -24,9%	60% 37,300% 10,947% -16,0%	70% 37,300% 12,915% -7,2%	80% 37,300% 15,420% 2,1%	90% 37,300% 18,081% 8,8%	95% 37,300% 21,751% 16,6%	98% 37,300% 26,082% 22,9%	100% 37,300% 30,655% 31,3%
QRB s/RN QIRPF s/RI (QRB-RB) s/I ÍNDEXS: Desigualtat,	37,3/ N 0,52 RN -289 Concentració, Pro	0% 7% 2% gress	37,300% 2,260% -92,5%	30% 37,300% 4,992% -53,3%	40% 37,300% 7,127% -35,3%	50% 37,300% 9,137% -24,9%	60% 37,300% 10,947% -16,0%	70% 37,300% 12,915% -7,2%	80% 37,300% 15,420% 2,1%	90% 37,300% 18,081% 8,8%	95% 37,300% 21,751% 16,6%	98% 37,300% 26,082% 22,9%	100% 37,300% 30,655% 31,3%
QRB s/RN QIRPF s/RI (QRB-RB) s/ ÍNDEXS: Desigualtat, ÍNDEXS	37,31 N 0,52 RN -289 Concentració, Pro VARIA	0% 7% 2% gress	2078 37,300% 2,260% -92,5%	30% 37,300% 4,992% -53,3% distribució	40% 37,300% 7,127% -35,3%	50% 37,300% 9,137% -24,9% RN - 0	60% 37,300% 10,947% -16,0%	70% 37,300% 12,915% -7,2% RN - QF	80% 37,300% 15,420% 2,1% RB + RB	90% 37,300% 18,081% 8,8%	95% 37,300% 21,751% 16,6%	98% 37,300% 26,082% 22,9%	100% 37,300% 30,655% 31,3%
QRB s/RN QIRPF s/RI (QRB-RB) s/ ÍNDEXS: Desigualtat, ÍNDEXS GINI	37,3 N 0,52 RN -289 Concentració, Pro VARIA	0% 7% 2% gress	2078 37,300% 2,260% -92,5%	30% 37,300% 4,992% -53,3% distribució R 0,4	40% 37,300% 7,127% -35,3% N 615	50% 37,300% 9,137% -24,9% RN - 0 0,4	60% 37,300% 10,947% -16,0% QIRPF 163	70% 37,300% 12,915% -7,2% RN - QF 0,3	80% 37,300% 15,420% 2,1% RB + RB	90% 37,300% 18,081% 8,8%	95% 37,300% 21,751% 16,6%	98% 37,300% 26,082% 22,9%	100% 37,300% 30,655% 31,3%
QRB s/RN QIRPF s/RI (QRB-RB) s/ ÍNDEXS: Desigualtat, ÍNDEXS GINI	37,3 N 0,52 RN -289 Concentració, Pro VARIA Renda Bàsica	0% 7% 2% gress	37,300% 2,260% -92,5%	30% 37,300% 4,992% -53,3% distribució R 0,4 0,4	40% 37,300% 7,127% -35,3% N 615 493	50% 37,300% 9,137% -24,9% RN - 0 0,4	60% 37,300% 10,947% -16,0% QIRPF 163 593	70% 37,300% 12,915% -7,2% RN - QF 0,3 0,1:	80% 37,300% 15,420% 2,1% RB + RB 198 374	90% 37,300% 18,081% 8,8%	95% 37,300% 21,751% 16,6%	98% 37,300% 26,082% 22,9%	100% 37,300% 30,655% 31,3%
QRB s/RN QIRPF s/RI (QRB-RB) s/l ÍNDEXS: Desigualtat, ÍNDEXS GINI CONCENTRACIÓ	37,3 N 0,52 RN -289 Concentració, Pre VARIA Renda Bàsica Quota supòsit Ri	0% 7% 2% gress 3LES	2076 37,300% 2,260% -92,5%	30% 37,300% 4,992% -53,3% distribució R 0,4 0,4 0,0	40% 37,300% 7,127% -35,3% N 615 493 615 5	50% 37,300% 9,137% -24,9% RN - 0 0,4 0,0 0,4	60% 37,300% 10,947% -16,0% QIRPF 163 593 604 205	70% 37,300% 12,915% -7,2% RN - QF 0,3 0,1: 0,4:	80% 37,300% 15,420% 2,1% RB + RB 198 374 372	90% 37,300% 18,081% 8,8%	95% 37,300% 21,751% 16,6%	98% 37,300% 26,082% 22,9%	100% 37,300% 30,655% 31,3%
QRB s/RN QIRPF s/RI (QRB-RB) s/I ÍNDEXS: Desigualtat, ÍNDEXS GINI CONCENTRACIÓ	37.3 N 0,52 RN -289 Concentració, Pre VARIA Renda Bàsica Quota supòsit R Quota supòsit R Quota supòsit R	0% 7% 2% gress 3LES 3LES	37,300% 2,260% -92,5%	30% 37,300% 4,992% -53,3% distribució R 0,4 0,4 0,0	40% 37,300% 7,127% -35,3% N 615 493 615 817 (122)	50% 37,300% 9,137% -24,9% RN - 0 0,4 0,0 0,4	60% 37,300% 10,947% -16,0% QIRPF 163 593 604 705	70% 37,300% 12,915% -7,2% RN - QF 0,3 0,1: 0,4: 0,6:	80% 37,300% 15,420% 2,1% RB + RB 198 374 372 323 223	90% 37,300% 18,081% 8,8%	95% 37,300% 21,751% 16,6%	98% 37,300% 26,082% 22,9%	100% 37,300% 30,655% 31,3%
QRB s/RN QIRPF s/RI (QRB-RB) s/l (NDEXS: Desigualtat, ÍNDEXS GINI CONCENTRACIÓ	37.3 N 0,52 RN -289 Concentració, Pro VARIA Renda Bàsica Quota supòsit Ri Quota supòsit Ri Renda Bàsica Quota supòsit Bi	0% 7% 2% gress BLES	20% 37,300% 2,260% -92,5%	30% 37,300% 4,992% -53,3% distribució R 0,4 0,4 0,0 0,0 0,4 0,6 -0,4	40% 37,300% 7,127% -35,3% N 615 493 615 817 1122 000	50% 37,300% 9,137% -24,9% RN - 0 0,4 0,0 0,4 0,6 0,0 0,0	60% 37,300% 10,947% -16,0% QIRPF 163 593 604 705 5570 441	70% 37.300% 12.915% -7.2% RN - QF 0,3 0,1 0,4 0,6 0,6	80% 37,300% 15,420% 2,1% RB + RB 198 374 372 323 824 173	90% 37,300% 18,081% 8,8%	95% 37,300% 21,751% 16,6%	98% 37,300% 26,082% 22,9%	100% 37,300% 30,655% 31,3%
QRB s/RN QIRPF s/RI (QRB-RB) s/l ÍNDEXS: Desigualtat, ÍNDEXS GINI CONCENTRACIÓ KAKWANI	37.3 N 0,52 RN -289 Concentració, Pro VARIA Renda Bàsica Quota supòsit RI Quota supòsit RI Renda Bàsica Quota supòsit II Quota supòsit II	0% 7% 2% gress 3LES PF	20% 37,300% 2,260% -92,5%	30% 37,300% 4,992% -53,3% distribució R 0,4 0,0 0,4 0,6 0,0 0,0,4 0,0 0,0,0 0,0,0	40% 37,300% 7,127% -35,3% N 615 493 615 817 1122 0000 202	50% 37,300% 9,137% -24,9% RN - (0,4 0,0 0,4 0,6 -0,3 0,0 0,0 0,0 0,0	60% 37,300% 10,947% -16,0% 2)RPF 163 593 604 705 5570 441 5542	70% 37.300% 12.915% -7.2% RN - QF 0,3 0,1 0,4 0,6 0,6 -0,1 0,1 0,3	80% 37,300% 15,420% 2,1% RB + RB 198 374 372 323 824 173 125	90% 37,300% 18,081% 8,8%	95% 37,300% 21,751% 16,6%	38% 37,300% 26,082% 22,9%	100% 37,300% 30,655% 31,3%
QRB s/RN QIRPF s/RI (QRB-RB) s/l (NDEXS: Desigualtat, ÍNDEXS GINI CONCENTRACIÓ KAKWANI	37.3 N 0,52 RN -289 Concentració, Pro VARIA Renda Bàsica Quota supòsit R Renda Bàsica Quota supòsit R Quota supòsit R Renda Bàsica	0% 7% 2% 2% 3LES 2F 2F	2076 37,300% 2,260% -92,5%	30% 37,300% 4,992% -53,3% distribució R 0,4 0,4 0,0 0,4 0,6 0,0,4 0,0 0,0,2 0,0,4	40% 37,300% 7,127% -35,3% N 615 493 615 817 1122 000 202 2247	50% 37,300% 9,137% -24,9% RN - 1 0,4 0,0 0,4 0,0 0,0,4 0,0 0,0,2 0,0,0 0,0,2 0,0,3	60% 37,300% 10,947% -16,0% 2)RPF 163 593 604 705 5570 441 5542 1677	70% 37.300% 12.915% -7.2% RN - QF 0,3 0,1 0,4 0,6 0,6 -0,1 0,1 0,3 -0,1	80% 37,300% 15,420% 2,1% RB + RB 198 374 372 323 824 173 125 975	90% 37,300% 18,081% 8,8%	95% 37,300% 21,751% 16,6%	98% 37,300% 26,082% 22,9%	100% 37,300% 30,655% 31,3%
QRB s/RN QIRPF s/RI (QRB-RB) s/l (NDEXS: Desigualtat, ÍNDEXS GINI CONCENTRACIÓ KAKWANI SUITS	37.3 N 0,52 RN -289 Concentració, Pro VARIA Renda Bàsica Quota supòsit R Renda Bàsica Quota supòsit IR Renda Bàsica Quota supòsit R Renda Bàsica Quota supòsit R	0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0	2076 37,300% 2,260% -92,5%	30% 37,300% 4,992% -53,3% distribució R 0,4 0,4 0,0 0,4 0,6 0,0 0,2 -0,4 0,0 0,2 -0,4 0,0	40% 37,300% 7,127% -35,3% N 615 493 615 817 1122 000 202 2247 000	50% 37,300% 9,137% -24,9% RN - 0 0,4 0,0 0,4 0,0 0,0,0 0,0,0 0,2 -0,3 0,0,0	60% 37,300% 10,947% -16,0% 2)RPF 163 593 604 705 5570 441 5542 6677 543	70% 37.300% 12.915% -7.2% RN - QF 0,3 0,1 0,4 0,6 -0,1 0,1 0,3 0,3 0,1 0,1 0,1	80% 37,300% 15,420% 2,1% RB + RB 198 374 372 323 824 173 125 975 271	90% 37,300% 18,081% 8,8%	95% 37,300% 21,751% 16,6%	98% 37,300% 26,082% 22,9%	100% 37,300% 30,655% 31,3%
QRB s/RN QIRPF s/RI (QRB-RB) s/l (NDEXS: Desigualtat, ÍNDEXS GINI CONCENTRACIÓ KAKWANI SUITS	37.3 N 0,52 RN -289 Concentració, Pro VARIA Renda Bàsica Quota supòsit RI Quota supòsit RI Quota supòsit II Renda Bàsica Quota supòsit RI Renda Bàsica	00% 0% 2% gress 3 3 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	20% 37,300% 2,260% -92,5%	30% 37,300% 4,992% -53,3% distribució R 0,4 0,4 0,0 0,4 0,0 0,4 0,0 0,0,2 -0,4 0,0 0,0,2 0,0,2	40% 37,300% 7,127% -35,3% N 615 493 615 493 615 817 1122 000 202 2247 000 701	50% 37,300% 9,137% -24,9% RN - 1 0,4 0,0 0,4 0,0 0,0,4 0,0,0 0,0,2 0,0,0 0,0,3 0,0,0 0,0,3	60% 37,300% 10,947% -16,0% 2)RPF 163 593 604 705 5570 441 5542 1677 542 126	70% 37.300% 12.915% -7.2% RN - QF 0,3 0,1 0,4 0,6 0,6 0,6 0,6 0,1 0,1 0,3 0,3 0,3 0,3 0,3 0,3 0,3 0,3 0,3 0,3	80% 37,300% 15,420% 2,1% RB + RB 198 374 372 323 824 173 125 975 271 586	90% 37,300% 18,081% 8,8%	95% 37,300% 21,751% 16,6%	98% 37,300% 26,082% 22,9%	100% 37,300% 30,655% 31,3%
QRB s/RN QIRPF s/RI (QRB-RB) s/l (NDEXS: Desigualtat, ÍNDEXS GINI CONCENTRACIÓ KAKWANI SUITS	37.3 N 0,52 RN -289 Concentració, Pro VARIA Renda Bàsica Quota supòsit RI Quota supòsit RI Quota supòsit II Renda Bàsica Quota supòsit RI Quota supòsit RI Renda Bàsica	0% 7% 2% gress BLES PF	20% 37,300% 2,260% -92,5%	30% 37,300% 4,992% -53,3% distribució R 0,4 0,4 0,0 0,4 0,0 0,4 0,0 0,0,2 0,0,2 0,0,2 0,0,2 0,0,2	40% 37,300% 7,127% -35,3% N 615 493 615 493 615 817 1122 000 202 2247 000 701 1786	50% 37,300% 9,137% -24,9% RN - 1 0,4 0,0 0,4 0,0 0,0,4 0,0,0 0,0,2 0,0,0 0,0,2 0,0,3 0,0,3 0,0,3 0,0,3	60% 37,300% 10,947% -16,0% 2)RPF 163 593 604 705 5570 441 5570 441 5542 1677 542 126 1403	70% 37.300% 12.915% -7.2% RN - QF 0,3 0,1 0,4 0,6 -0,1 0,1 0,3 -0,1 0,3 -0,1 0,3 -0,1 0,3 -0,1	80% 37,300% 15,420% 2,1% RB + RB 198 374 372 323 824 173 125 975 2271 586 173	90% 37,300% 18,081% 8,8%	95% 37,300% 21,751% 16,6%	98% 37,300% 26,082% 22,9%	100% 37,300% 30,655% 31,3%
QRB s/RN QIRPF s/RI (QRB-RB) s/l (NDEXS: Desigualtat, ÍNDEXS GINI CONCENTRACIÓ KAKWANI SUITS EFECTE REDISTRIBUTIU	37.3 N 0,52 RN -289 Concentració, Pro VARIA Renda Bàsica Quota supòsit IR Quota supòsit IR Quota supòsit IR Renda Bàsica Quota supòsit IR Renda Bàsica Quota supòsit IR Renda Bàsica	0% 7% 2% gressi 3 3 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	20% 37,300% 2,260% -92,5%	30% 37,300% 4,992% -53,3% distribució R 0,4 0,4 0,6 0,4 0,6 0,0,4 0,6 0,0,2 0,0,4 0,0,0 0,0,2 0,0,0 0,0,2 0,0,0 0,0,0 0,0,0 0,0,0 0,0,0 0,0,0 0,0,0,0 0,	40% 37,300% 7,127% -35,3% N 615 493 615 493 615 817 122 000 202 2247 000 701 7786 000 701	50% 37,300% 9,137% -24,9% RN - (0,4 0,0 0,4 0,0 0,0,0,0 0,0,0,0 0,	60% 37,300% 10,947% -16,0% 2)RPF 163 593 604 705 5570 441 5570 441 5542 126 1403 363 363 363	70% 37.300% 12.915% -7.2% RN - QF 0,3 0,1 0,1 0,4 0,6 0,6 0,6 0,6 0,1 0,1 0,1 0,3 0,3 0,3 0,1 0,1 0,3 0,3 0,3 0,3 0,3 0,3 0,3 0,4 0,4 0,5 0,4 0,5 0,5 0,6 0,7 0,7 0,7 0,7 0,7 0,7 0,7 0,7 0,7 0,7	80% 37,300% 15,420% 2,1% 88 + RB 198 374 372 323 323 824 173 125 975 271 586 173 586	90% 37,300% 18,081% 8,8%	95% 37,300% 21,751% 16,6%	98% 37,300% 26,082% 22,9%	100% 37,300% 30,655% 31,3%
QRB s/RN QIRPF s/RI (QRB-RB) s/l (QRB-RB) s/l (NDEXS: Desigualtat, ÍNDEXS GINI CONCENTRACIÓ KAKWANI SUITS EFECTE REDISTRIBUTIU	37.3 N 0,52 RN -289 Concentració, Pro VARIA Renda Bàsica Quota supòsit IR Renda Bàsica	gress gress BLES PF PF	20% 37,300% 2,260% -92,5%	30% 37,300% 4,992% -53,3% distribució R 0,4 0,4 0,0 0,4 0,6 0,0,4 0,6 0,0,4 0,0,0 0,2 2,-0,4 0,0,0 0,0,2 0,0,0 0,0,0	40% 37,300% 7,127% -35,3% N 615 493 615 493 615 817 1122 000 202 2247 000 200 701 786 000 462	50% 37,300% 9,137% -24,9% RN - (0,4 0,0 0,4 0,0 0,0,0 0,0,0 0,0,0 0,0,0 0,0,0 0,0,0	60% 37,300% 10,947% -16,0% 2)IRPF 163 593 604 705 5570 441 5570 441 5570 441 5542 126 1677 543 126 126 126 126 126 126 126 126	70% 37.300% 12.915% -7.2% RN - QF 0,3 0,1 0,4 0,6 -0,1 0,1 0,6 -0,1 0,1 0,3 -0,1 0,3 -0,1 0,3 -0,1 0,0 0,0 0,0	80% 37,300% 15,420% 2,1% 88 + RB 198 374 372 323 824 173 125 975 271 586 173 666 633	90% 37,300% 18,081% 8,8%	95% 37,300% 21,751% 16,6%	98% 37,300% 26,082% 22,9%	100% 37,300% 30,655% 31,3%
QRB s/RN QIRPF s/RI (QRB-RB) s/I (NDEXS: Desigualtat, ÍNDEXS GINI CONCENTRACIÓ KAKWANI SUITS EFECTE REDISTRIBUTIU Distribució de Guany	37.3 N 0,52 RN -289 Concentració, Pro- VARIA Renda Bàsica Quota supòsit RI Quota supòsit IR Renda Bàsica Quota supòsit IR Renda Bàsica Quota supòsit IR Renda Bàsica Quota supòsit IR Renda Bàsica Quota supòsit IR Quota supòsit IR Quota supòsit IR Renda Bàsica Quota supòsit IR Renda Bàsica Quota supòsit IR Renda Bàsica Quota supòsit IR Renda Bàsica	gress gress BLES PF PF PF	20% 37,300% -92,5% ivitat i Rec	30% 37,300% 4,992% -53,3% distribució R 0,4 0,4 0,6 0,4 0,0 0,4 0,4 0,6 0,0 0,0 0,2 -0,4 0,0 0,0 0,0 0,0 0,0 0,0 0,0 0,0 0,0	40% 37,300% 7,127% -35,3% N 615 493 615 817 122 200 202 202 2247 000 701 7786 000 462	50% 37,300% 9,137% -24,9% -24,9% -24,9% -24,9% -0,4 0,0 0,0 0,0 0,0 0,0 0,0 0,0 0,0 0,0	60% 37,300% 10,947% -16,0% 2)RPF 163 593 604 705 553 604 705 5570 441 5542 16677 5543 126 1403 363 6676	70% 37,300% 12,915% -7,2% RN - QF 0,3 0,1 0,4 0,6 -0,1 0,1 0,3 -0,1 0,1 0,3 -0,1 0,3 -0,1 0,3 -0,1 0,3 -0,1 0,3 -0,1 0,3 -0,1 0,3 -0,1 0,4 0,5 -0,1 0,3 -0,1 0,4 -0,1 0,3 -0,1 0,4 -0,1 0,3 -0,1 0,4 -0,1 0,3 -0,1 0,4 -0,1 0,3 -0,1 0,4 -0,1 0,3 -0,1 0,4 -0,1 0,3 -0,1 0,4 -0,1 0,3 -0,1 0,4 -0,1 0,3 -0,1 0,3 -0,1 0,4 -0,1 0,3 -0,1 0,0,0 -0,1 0,0,0 -0,1 0,0,0 -0,1 0,0,0 -0,1 0,0,0 -0,1 0,0,0 -0,1 0,0,0 -0,1 0,0,0 -0,1 0,0,0 -0,1 0,0,0 -0,1 0,0,0 -0,0 0,0,0 -0,0	80% 37,300% 15,420% 2,1% RB + RB 198 374 372 323 824 173 372 323 824 173 556 173 666 633	90% 37,300% 18,081% 8,8%	95% 37,300% 21,751% 16,6%	38% 37,300% 26,082% 22,9%	100% 37,300% 30,655% 31,3%
QRB s/RN QIRPF s/RI (QRB-RB) s/I (NDEXS: Desigualtat, ÍNDEXS GINI CONCENTRACIÓ KAKWANI SUITS EFECTE REDISTRIBUTIU Distribució de Guany Variables	37.3 N 0,52 RN -289 Concentració, Pro- VARIA Renda Bàsica Quota supòsit RI Quota supòsit IR Renda Bàsica Quota supòsit IR Renda Bàsica Quota supòsit IR Renda Bàsica Quota supòsit IR Renda Bàsica Quota supòsit IR Quota supòsit IR Renda Bàsica Quota supòsit IR Autor supòsit IR Quota Supòsit IR Quot	gress gress BLES PF PF PF prden:	20% 37,300% -92,5% ivitat i Rec ació segon 20%	30% 37,300% 4,992% -53,3% distribució R 0,4 0,0 0,4 0,0 0,4 0,0 0,4 0,0 0,4 0,0 0,2 -0,4 0,0 0,2 -0,2 0,0 0,0 0,0 0,0 0,0 0,0 0,0	40% 37,300% 7,127% -35,3% N 615 615 615 817 122 000 202 2247 000 202 2247 000 701 7786 000 462	50% 37,300% 9,137% -24,9% RN - 0 0,4 0,4 0,6 0,0,0 0,0 0,0 0,0 0,0 0,0 0,0 0,0 0	60% 37,300% 10,947% -16,0% 2)RPF 163 593 604 705 5570 441 5542 16677 5543 126 1403 363 6676 60%	70% 37,300% 12,915% -7,2% RN - QF 0,3 0,1 0,4 0,6 -0,1 0,1 0,1 0,3 -0,1 0,1 0,3 -0,1 0,3 -0,1 0,3 -0,1 0,3 -0,1 0,3 -0,1 0,3 -0,1 0,4 -0,1 0,3 -0,1 0,4 -0,1 0,3 -0,1 0,4 -0,1 0,3 -0,1 0,4 -0,1 0,3 -0,1 0,4 -0,1 0,4 -0,1 0,3 -0,1 0,4 -0,1 0,3 -0,1 0,4 -0,1 0,3 -0,1 0,4 -0,1 0,3 -0,1 0,4 -0,1 0,3 -0,1 0,4 -0,1 0,3 -0,1 0,3 -0,1 0,4 -0,1 0,3 -0,1 0,3 -0,1 0,3 -0,1 0,3 -0,1 0,3 -0,1 0,3 -0,1 0,3 -0,1 0,3 -0,1 0,3 -0,1 0,4 -0,1 0,3 -0,1 0,3 -0,1 0,3 -0,1 0,3 -0,1 0,3 -0,1 0,3 -0,1 0,3 -0,1 0,3 -0,1 0,3 -0,1 0,3 -0,1 0,3 -0,1 0,3 -0,1 0,3 -0,1 0,3 -0,1 0,3 -0,1 0,3 -0,1 0,3 -0,1 0,3 -0,1 0,00 -0,1 0,00 -0,1 0,00 -0,	80% 37,300% 15,420% 2,1% RB + RB 198 374 372 323 824 173 125 975 271 173 686 666 633 33	90% 37,300% 18,081% 8,8%	95% 37,300% 21,751% 16,6% 95%	98% 37,300% 26,082% 22,9% 98%	100% 37,300% 30,655% 31,3%
QRB s/RN QIRPF s/RI (QRB-RB) s/I (NDEXS: Desigualtat, ÍNDEXS GINI CONCENTRACIÓ KAKWANI SUITS EFECTE REDISTRIBUTIU Distribució de Guany Variables % Guanyadors	37.3 N 0,52 RN -289 Concentració, Prr VARIA Renda Bàsica Quota supòsit RI Quota supòsit IR Renda Bàsica Quota supòsit IR Renda Bàsica Quota supòsit IR Renda Bàsica Quota supòsit IR Renda Bàsica Quota supòsit IR Quota supòsit IR Renda Bàsica Quota supòsit IR Autor supòsit IR Quota	gress BLES BLES PF PF PF	20% 37,300% -92,5% ivitat i Rec ivitat i Rec 20% 100,00%	30% 37,30% 4,992% -53,3% distribució R 0,4 0,6 0,4 0,6 0,4 0,6 0,4 0,6 0,4 0,6 0,4 0,0 0,2 0,0 0,2 0,0 0,0 0,2 0,0 0,0	40% 37,300% 7,127% -35,3% N 615 615 615 615 817 1122 000 202 2247 000 202 2247 000 701 771 7786 000 462 40%	50% 37,300% 9,137% -24,9% RN - 0 0,4 0,4 0,6 0,0,4 0,6 0,0,0 0,0,2 0,0,2 0,0,0 0,0,0 0,0,0 0,0,0 0,0,0 0,0,0 0,0,0 0,0,0 0,0,0 0,0,0 0,0,0 0,0,0 0,0,0 0,0,0 0,0,0,0 0,	60% 37,300% 10,947% -16,0% 2)RPF 163 593 604 705 5570 441 5542 16677 5543 126 1403 363 6676 99,66%	70% 37,300% 12,915% -7,2% RN - QF 0,3 0,1 0,4 0,6 -0,1 0,1 0,3 -0,1 0,1 0,3 -0,1 0,3 -0,1 0,3 -0,1 0,3 -0,1 0,3 -0,1 0,3 -0,1 0,4 -0,5	80% 37,300% 15,420% 2,1% RB + RB 198 374 372 323 824 173 125 975 271 173 666 633 80% 90,94% 205 205 205 205 205 205 205 205	90% 37,300% 18,081% 8,8% 90% 82,11%	95% 37,300% 21,751% 16,6% 96% 73,89%	98% 37,300% 26,082% 22,9% 98% 98% 74,43%	100% 37,300% 30,655% 31,3% 1,3%
QRB s/RN QIRPF s/RI (QRB-RB) s/l (QRB-RB) s/l (NDEXS: Desigualtat, ÍNDEXS GINI CONCENTRACIÓ KAKWANI SUITS EFECTE REDISTRIBUTIU Distribució de Guany Variables % Guany adors Guany total (Milions of	37.3 N 0,52 RN -289 Concentració, Pro VARIA Renda Bàsica Quota supòsit RI	0% 7% 22% 2% 38LES 2PF 2PF 2PF 2PF 2PF 2PF 2PF 2PF 2PF 2PF	20% 37,300% -92,5% ivitat i Rec ivitat i Rec 20% 100,00% 1.419,53 5.215	30% 37,300% 4,992% -53,3% distribució R 0,4 0,6 0,4 0,6 0,4 0,6 0,4 0,6 0,4 0,0 0,2 0,0 0,2 0,0 0,0 0,2 0,0 0,0	40% 37,300% 7,127% -35,3% N 815 493 615 817 1122 000 202 2247 000 202 2247 000 701 771 7786 000 462 40% 1.260,65 1.260,65 1.260,65 4,623	50% 37,300% 9,137% -24,9% RN - 0 0,4 0,4 0,6 0,0,0 0,4 0,6 0,0,0 0,0,0 0,0,0 0,0,0 0,0,0 0,0,0 0,0,0 0,0,0 0,0,0 0,0,0 0,0,0 0,0,0 0,0,0 0,0,0 0,0,0 0,0,0 0,0,0 0,0,0,0 0,	60% 37,300% 10,947% -16,0% 2)RPF 163 593 604 705 570 441 542 16677 543 126 1677 543 126 4403 363 6676 99,66% 1.179,93 4.299 4.299 4.299 5	70% 37,300% 12,915% -7,2% RN - QF 0,3 0,1 0,4 0,6 0,6 0,6 0,1 0,1 0,1 0,1 0,3 -0,1 0,1 0,3 -0,1 0,3 -0,1 0,3 -0,1 0,3 -0,1 0,3 -0,1 0,4 0,6 0,3 -0,1 0,4 0,6 0,3 -0,1 0,4 0,6 0,3 -0,1 0,4 0,6 0,3 -0,1 0,4 0,6 0,3 -0,1 0,4 0,6 0,7 0,7 0,7 0,7 0,7 0,7 0,7 0,7	80% 37,300% 15,420% 2,1% RB + RB 198 374 372 323 824 173 125 975 271 173 666 666 633 33 80% 90,94% 883,13 3,267	90% 37,300% 18,081% 8,8%	95% 37,300% 21,751% 16,6% 95% 73,89% 36,67 3,89%	98% 37,300% 26,082% 22,9% 98% 74,43% 223,63 3872	100% 37,300% 30,655% 31,3% 71,41% 287,285
QRB s/RN QIRPF s/RI (QRB-RB) s/l (QRB-RB) s/l (NDEXS: Desigualtat, ÍNDEXS GINI CONCENTRACIÓ KAKWANI SUITS EFECTE REDISTRIBUTIU Distribució de Guany Variables % Guanyadors Guany per capita (€)	37.3 N 0,52 RN -289 Concentració, Pro VARIA Renda Bàsica Quota supòsit RI	00% 7% 22% 31_ES 31_ES 32_FF 52F 52F 52F 52F 52F 52F 52F 52F 52F 5	20% 37,300% -92,5% ivitat i Rec ivitat i Rec 20% 100,00% 1.419,53 5.215 0,00%	30% 37,300% 4,992% -53,3% distribució R 0,4 0,6 0,4 0,6 0,4 0,6 0,4 0,6 0,4 0,0 0,2 0,0 0,2 0,0 0,0 0,2 0,0 0,0	40% 37,300% 7,127% -35,3% N 615 615 615 615 615 615 615 615	50% 37,300% 9,137% -24,9% RN - 4 0,4 0,4 0,4 0,4 0,4 0,4 0,4 0,4 0,4 0,	60% 37,300% 10,947% -16,0% 20RPF 163 593 604 705 5570 441 5570 441 5570 441 5570 441 5570 441 5570 441 5570 55	70% 37,300% 12,915% -7,2% RN - QF 0,3 0,1: 0,4: 0,6: -0,1 0,1: 0,3 -0,1 0,1: 0,3 -0,1 0,3 -0,1 0,1: 0,3 -0,1 0,1: 0,3 -0,1 0,3 -0,1 0,3 -0,1 0,4: 0,6: -0,1 0,3 -0,1 0,1: 0,4: 0,6: -0,1 0,3 -0,1 0,1: 0,4: 0,5: 0	80% 37,300% 15,420% 2,1% RB + RB 198 374 372 323 824 173 125 975 271 173 666 633 80% 90,94% 883,13 3,567 90,94%	90% 37,300% 18,081% 8,8% 90% 8,2% 8,2% 8,2% 90% 82,41% 822,43 3,679 17,83%	95% 37,300% 21,751% 16,6% 95% 73,89% 361,67 3,59%	98% 37,300% 26,082% 22,9% 98% 74,43% 223,63 3,679 225,53%	100% 37,300% 30,655% 31,3% 1,3% 7,1,41% 287,25 7,388 7,28,40%
QRB s/RN QIRPF s/RI (QRB-RB) s/l (QRB-RB) s/l (NDEXS: Desigualtat, ÍNDEXS GINI CONCENTRACIÓ KAKWANI SUITS EFECTE REDISTRIBUTIU Distribució de Guany Variables % Guanyadors Guany total (Milions d % Perdedors	37.3 N 0,52 RN -289 Concentració, Prr VARIA Renda Bàsica Quota supòsit RI Quota supòsit RI Quota supòsit IR Renda Bàsica Quota supòsit IR Renda Bàsica Quota supòsit IR Quota Supò	00% 7% 2% 2% 3 2 2 3 3 2 5 5 5 5 5 5 5 5 5 5 5 5 5	20% 37,300% -92,5% ivitat i Rec ivitat i Rec 20% 100,00% 1.419,53 5.215 0,00%	30% 37,300% 4,992% -53,3% distribució R 0,4 0,6 0,4 0,6 0,4 0,6 0,4 0,6 0,4 0,6 0,0 0,2 0,0 0,0 0,0 0,0 1,326,26 4,872 0,000 0,000	40% 37,300% 7,127% -35,3% N 615 493 615 615 615 615 615 615 615 615	50% 37,300% 9,137% -24,9% RN - 4 0,4 0,4 0,4 0,4 0,4 0,4 0,4 0,4 0,4 0,	60% 37,300% 10,947% -16,0% 20RPF 163 593 604 705 5570 441 5570 441 5570 441 5570 441 5570 441 5570 441 567 570 441 570 570 441 570 570 441 573 570 441 573 570 570 441 573 570 441 573 570 570 441 577 570 570 441 577 570 570 441 573 570 570 570 570 570 570 570 570	70% 37,300% 12,915% -7,2% RN - QF 0,3 0,1: 0,4: 0,6: -0,1 0,4: 0,6: -0,1 0,1 0,3 -0,1 0,1 0,3 -0,1 0,1 0,3 -0,1 0,3 -0,1 0,3 -0,1 0,4: 0,6: -0,1 0,3 -0,1 0,4: 0,6: -0,1 0,3 -0,1 0,1 0,3 -0,1 0,4: 0,6: -0,1 0,3 -0,1 0,4: 0,6: 0,3 -0,1 0,4: 0,6: 0,5: 0,5: 0,7: 1,7: 0,7: 1,7:	80% 37,300% 15,420% 2,1% RB + RB 198 374 372 323 824 173 125 975 271 125 975 271 173 666 633 80% 90,94% 883,13 3,567 -9,06% 13,12	90% 37,300% 18,081% 8,8% 90% 82,41% 822,43 3,679 -17,83% 38,13	95% 37,300% 21,751% 16,6% 95% 73,89% 361,67 3,596 -26,156 56,93	98% 37,300% 26,082% 22,9% 98% 74,43% 223,63 3,679 -25,53% 60,53	100% 37,300% 30,655% 31,3% 1,3% 1,3% 1,3% 1,3% 1,3% 1,3% 28,25 7,388 -28,49% -28,49% -28,49% -28,49% -28,49% -28,49% -28,49% -28,49% -28,49% -28,49% -28,49% -28,49% -28,49% -24,49%-24,49% -24,49% -24,49%-24,49% -24,49% -24,49%-24,49% -24,49%-24,49% -24,49%-24,49% -24,49%-24,49% -24,49%-24,49% -24,49%-24,49% -24,49%-24,49% -24,49%-24,49% -24,49%-24,49% -24,49%-24,49%-24,49% -24,49%-24,49%-24,49% -24,49%-24,49%-24,49%-24,49% -24,49%-24,49%-24,49%-24,49% -24,49%-24,49%-24,49% -24,49%-24,49%-24,49%-24,49% -24,49%-24,49%-24,49% -24,49%-24,49%-24,49% -24,49%-24,49%-24,49%-24,49% -24,49%-24,49%-24,49%-24,49%-24,49%-24,49%-24,49%-24,49%-
QRB s/RN QIRPF s/RI (QRB-RB) s/l (QRB-RB) s/l (NDEXS: Desigualtat, ÍNDEXS GINI CONCENTRACIÓ KAKWANI SUITS EFECTE REDISTRIBUTIU Distribució de Guany Variables % Guanyadors Guany per capita (€) % Perdua total (Milions d Pérdua per capita (€)	37.3 N 0,52 RN -289 Concentració, Pro VARIA Renda Bàsica Quota supòsit RI	00% 2% 2% 3 2 2 2 2 2 2 2 2 2 2 2 2 2	20% 37,300% -92,5% ivitat i Rec ivitat i Rec 20% 100,00% 1.419,53 5.215 0,00% 0,00 0	30% 37,30% 4,992% -53,3% distribució R 0,4 0,6 0,4 0,6 0,4 0,6 0,4 0,6 0,4 0,6 0,4 0,6 0,4 0,6 0,2 0,0 0,0 0,2 0,0 0,0 0,0 0,0	40% 37,300% 7,127% -35,3% N 615 493 615 493 615 615 615 615 615 615 615 615	50% 37,300% 9,137% -24,9% RN - 4 0,4 0,4 0,4 0,4 0,4 0,4 0,4 0,	60% 37,300% 10,947% -16,0% DIRPF 163 593 604 705 5570 441 5570 441 5570 441 5570 441 5570 441 5570 441 5570 441 567 563 664 403 363 676 99,66% 1.179,93 4.349 -0,3% 0.144 170	70% 37,300% 12,915% -7,2% RN - QF 0,3 0,1 0,4 0,6 -0,1 0,4 0,6 -0,1 0,1 0,1 0,1 0,1 0,1 0,1 0,1	80% 37,300% 15,420% 2,1% RB + RB 198 374 372 323 824 173 125 975 271 586 173 125 975 271 586 666 633 80% 90,94% 883,13 3.567 -9,06% 13,12 552	90% 37,300% 18,081% 8,8% 90% 82,41% 822,43 3,679 -17,83% 38,13 786	95% 37,300% 21,751% 16,6% 95% 73,89% 361,67 3,596 -26,15% 56,93 1,600	98% 37,300% 26,082% 22,9% 98% 74,43% 223,63 3,679 -25,53% 2,903	100% 37,300% 30,655% 31,3% 1,3% 1,3% 1,3% 7,3% 7,3% 7,3% 7,3% 7,3% 7,3% 7,3% 7
QRB s/RN QIRPF s/RI (QRB-RB) s// (QRB-RB) s// (NDEXS: Desigualtat, ÍNDEXS GINI CONCENTRACIÓ KAKWANI SUITS EFECTE REDISTRIBUTIU Distribució de Guany Variables % Guany adors Guany total (Milions d 9èrdua total (Milions d Pèrdua per capita (€)	37.3 N 0,52 RN -289 Concentració, Pro VARIA Renda Bàsica Quota supòsit RI	00% 7% 2% 2% 3 2 2 3 3 2 5 5 5 5 5 5 5 5 5 5 5 5 5	20% 37,300% -92,5% ivitat i Rec ivitat i Rec 20% 100,00% 1.419,53 5.215 0,00% 0,00 0	30% 37,300% 4,992% -53,3% distribució R 0,4 0,6 0,4 0,6 0,4 0,6 0,4 0,6 0,0 0,2 -0,4 0,0 0,2 -0,4 0,0 0,2 -0,2 0,0 0,0 0,0 0,0 0,0 0,0 0,0	40% 37,300% 7,127% -35,3% 815 817 1122 000 202 2247 000 202 2247 000 202 2247 000 202 2247 000 202 247 000 462 100,00% 1.260,63 4.631 0.00% 0.	50% 37,300% 9,137% -24,9% RN - 4 0,4 0,4 0,4 0,4 0,4 0,4 0,4 0,	60% 37,300% 10,947% -16,0% DIRPF 163 593 604 705 5570 441 542 1677 543 126 1677 543 126 1677 543 126 160% 99,66% 1.179,93 4.349 -0,30% 0,142 170 170	70% 37,300% 12,915% -7,2% RN - QF 0,3 0,1: 0,4: 0,6: -0,1 0,1: 0,4: 0,6: -0,1 0,1: 0,3: -0,1 0,1: 0,3: -0,1 0,1: 0,3: -0,1 0,1: 0,4: 0,6: -0,1 0,1: 0,4: 0,6: 0,1: 0,4: 0,6: 0,1: 0,4: 0,6: 0,1: 0,4: 0,6: 0,1: 0,4: 0,6: 0,1: 0,4: 0,6: 0,7:	80% 37,300% 15,420% 2,1% RB + RB 198 374 372 323 824 173 125 975 271 586 173 125 975 271 586 666 633 80% 90,94% 883,13 3.567 -9,06% 13,12 532	90% 37,300% 18,081% 8,8% 90% 82,41% 822,43 3,679 -17,83% 38,13 786	95% 37,300% 21,751% 16,6% 95% 73,89% 361,67 3,596 -26,15% 56,93 1,600	98% 37,300% 26,082% 22,9% 98% 74,43% 223,63 3,679 -25,53 2,903	100% 37,300% 30,655% 31,3% 1,3% 1,3% 1,3% 7,1,41% 287,25 7,388 -28,49% 340,26 21,936



Simulació-2

TABLE A5. SIMULATION 3

PARÀMETRESICA	SIIVIUL RACTERÍSTIO	DUES											
Renda Bàsica per a	dult	2010	5.414,40	€ anuals	•								
Renda Bàsica per i	nenor de 18 a	nys	2.707,20	€ anuals									
Renda Bàsica per l	ar		No es conte	empla									
Base imposable ge	neral i especi	al conjuntes	3										
TRAM 1 06	arifa Base cor	15 00%			•								
TRAM-2 4000	4000€ 13800€	24 00%											
TRAM-3 13800	€ 25800€	28,00%											
TRAM-4 25800	€ 45000€	37,00%											
TRAM-5 45000	€ En endav.	45,00%			:								
RESULTATS GENE	RALS												
			MITJA	NA (€)			TOTAL (m	ilions d'€)					
Variabl	es	Valor	Err. Est.	Limit	s 95%	Valor	Err. Est.	Limit	s 95%				
	-			Inf.	Sup.			Inf.	Sup.				
Rendiment net (RN)	20.171,94	106,85	19.962,51	20.381,38	54.912,46	469,91	53.991,43	55.833,48				
Quota supòsit RB	ORB)	5 535 00	42 58	5 451 54	5 618 46	22.145,96	141,00	21.000,27	22.423,03				
Quota supòsit IRP	QIRPF)	3.501,12	24,65	3.452,80	3.549,44	9.530,81	87,28	9.359,74	9.701,88				
Declarants	,	2.722.220		-	-								
Població detectada		4.681.306	Dèf	icit Finança	ament RB =	7.078 Milio	ns d'€						
Nombre de llars de	tectades	2.175.736		% de Gu	anyadors =	98,68%							
DECILS (ordenació	segons RN):	Rendiment	net, Renda	Bàsica i Ou	iotes								
Variabl	- /·	10%	20%	30%	40%	50%	60%	70%	80%	90%	95%	98%	100%
		acum.	acum.	acum.	acum.	acum.	acum.	acum.	acum.	acum.	acum.	acum.	acum.
Rendiment net (RN)	1,020%	2,729%	4,146%	5,410% 13 305%	6,644%	7,980%	9,731%	11,937% 49.597%	15,460%	10,833%	9,268%	14,842%
		8,261%	8,781%	9,310%	9,740%	10,247%	10,542%	10,733%	10,405%	10,909%	5,553%	3,314%	2,206%
Renda Bàsica (RB)		8,261%	17,042%	26,352%	36,092%	46,338%	56,880%	67,613%	78,018%	88,927%	94,479%	97,794%	100,000%
Quota sunàsit RB		0,558%	1,737%	2,976%	4,081%	5,172%	6,496%	8,281%	10,548%	15,007%	11,773%	11,497%	21,874%
Quota suposit ND	Q(CD)	0,558%	2,294%	5,270%	9,352%	14,523%	21,019%	29,301%	39,849%	54,856%	66,629%	78,126%	100,000%
Quota supòsit IRP	(QIRPF)	0,031%	0,355%	1,193%	2,221%	3,498%	5,033%	7,241%	10,606%	16,105%	13,576%	13,928%	26,214%
		0,031%	0,386%	1,579% 9.067%	3,800%	7,298%	12,331%	19,571%	30,177%	40,282%	5786%	3 501%	2 325%
Població		7,747%	16,169%	25,236%	34,873%	45,097%	55,663%	66,589%	77,163%	88,388%	94,174%	97,675%	100,000%
													8
DECILS (ordenació	segons RN):	Tipus impo	sitius										
Variabl	es	10%	20%	30%	40%	50%	60%	70%	80%	90%	95%	98%	100%
QRB s/	RN IRN	15,000%	2 260%	19,695%	20,701%	21,359%	22,337%	23,351%	24,246%	26,636%	29,821%	34,038%	40,439%
(QRB-RB)	s/RN	-311,5%	-112,3%	-70,9%	-51,9%	-40,8%	-30,9%	-21,1%	-10,9%	-1,8%	9,1%	19,6%	34,4%
`													
INDEXS: Desigualt	at Concentra												
1		ció, Progres	sivitat i Re	distribució									
ÍNDEXS		ció, Progres VARIABLES	sivitat i Re	distribució R	N	RN - 0	QIRPF	RN - QF	RB + RB				
ÍNDEXS GINI		ció, Progres VARIABLES	sivitat i Ree	distribució R 0,4	N 615	RN - (0,4	QIRPF 163	RN - QF 0,3	RB + RB 047				
ÍNDEXS GINI	Renda Bà	ció, Progres VARIABLES sica	sivitat i Re	distribució R 0,4 0,0	2 N 615 493	RN - 0 0,4 0,0	QIRPF 163 593	RN - QF 0,3 0,1	RB + RB 047 298				
ÍNDEXS GINI CONCENTRACIÓ	Renda Bàs Quota sup	ció, Progres VARIABLES sica bòsit RB	sivitat i Ree	distribució R 0,4 0,0 0,5	2N 615 493 666 817	RN - 0 0,4 0,0 0,5	QIRPF 163 593 653 705	RN - QF 0,3 0,1 0,5	RB + RB 047 298 467 387				
ÍNDEXS GINI CONCENTRACIÓ	Renda Bàs Quota sup Quota sup Renda Bà	ció, Progres VARIABLES sica bòsit RB bòsit IRPF sica	sivitat i Ree	distribució R 0,4 0,0 0,5 0,6	615 6493 666 817	RN - 0 0,4 0,0 0,5 0,6	QIRPF 163 593 653 705 550	RN - QF 0,3 0,1 0,5 0,6	RB + RB 047 298 467 387 749				
ÍNDEXS GINI CONCENTRACIÓ KAKWANI	Renda Bàs Quota sup Quota sup Renda Bàs Quota sup	ció, Progres VARIABLES sica bòsit RB bòsit IRPF sica bòsit RB	sivitat i Re	distribució R 0,4 0,0 0,5 0,6 0,6 0,6 0,1	 8 615 493 666 817 1122 050 	RN - 0 0,4 0,0 0,5 0,6 -0,3 0,1	QIRPF 163 593 653 705 3570 490	RN - QF 0,3 0,1 0,5 0,6 -0,1 0,2	RB + RB 047 298 467 387 749 419				
ÍNDEXS GINI CONCENTRACIÓ KAKWANI	Renda Bà: Quota sup Quota sup Renda Bà: Quota sup Quota sup Quota sup	ció, Progres VARIABLES bica bòsit RB bòsit IRPF sica bòsit RB bòsit IRPF	sivitat i Re	distribució R 0,4 0,0 0,5 0,6 0,6 0,6 0,1 0,1 0,2	 815 493 666 817 1122 050 202 	RN - 0 0,4 0,0 0,5 0,6 -0,3 0,1 0,2	QIRPF 163 593 653 705 3570 490 542	RN - Qf 0,3 0,1 0,5 0,6 -0,1 0,2 0,3	RB + RB 047 298 467 387 749 419 339				
ÍNDEXS GINI CONCENTRACIÓ KAKWANI	Renda Bà: Quota sup Quota sup Renda Bà: Quota sup Quota sup Quota sup Renda Bà:	ció, Progres VARIABLES sica bòsit RB bòsit IRPF sica bòsit RB bòsit RPF sica	sivitat i Re	distribució R 0,4 0,0 0,5 0,6 -0,4 0,1 0,2 -0,4	KN 615 493 666 817 1122 050 202 1247	RN - 0 0,4 0,0 0,5 0,6 -0,3 0,1 0,2 -0,3	QIRPF 163 593 653 705 570 490 542 5677	RN - QF 0,3 0,1 0,5 0,6 -0,1 0,2 0,3 -0,1	RB + RB 047 298 467 387 749 419 339 863				
ÍNDEXS GINI CONCENTRACIÓ KAKWANI SUITS	Renda Bà Quota sup Quota sup Quota sup Quota sup Quota sup Quota sup Renda Bà Quota sup	ció, Progres VARIABLES sica bòsit RB bòsit IRPF sica bòsit IRPF sica bòsit IRPF	sivitat i Ree	distribució R 0,4 0,0 0,5 0,6 -0,4 0,1 0,2 -0,4 0,1	 N 615 493 666 817 1122 050 202 1247 383 564 	RN - 0 0,4 0,0 0,5 0,6 -0,3 0,1 0,2 -0,3 0,1	QIRPF 163 593 653 705 8570 490 542 3677 908 490	RN - QF 0,3 0,1 0,5 0,6 -0,1 0,2 0,3 -0,1 0,2 0,3	RB + RB 047 298 467 387 749 419 339 863 863 819				
ÍNDEXS GINI CONCENTRACIÓ KAKWANI SUITS	Renda Bài Quota sup Quota sup Quota sup Quota sup Quota sup Quota sup Quota sup Quota sup Quota sup	ció, Progres VARIABLES sica bòsit RB bòsit IRPF sica bòsit IRPF sica bòsit IRPF	sivitat i Ree	distribució R 0,4 0,0 0,5 0,6 0,6 0,1 0,2 0,1 0,2 0,1 0,2 0,2 0,3 0,4 0,5 0,6 0,6 0,6 0,6 0,7 0,6 0,7 0,6 0,7 0,6 0,6 0,7 0,6 0,6 0,6 0,6 0,6 0,6 0,6 0,6	 N 615 493 666 817 1122 050 202 1247 383 701 2786 	RN - 0 0,4 0,0 0,5 0,6 0,6 0,1 0,2 0,3 0,1 0,1 0,3	QIRPF 163 593 653 705 8570 490 542 5677 908 126 126	RN - QF 0.3 0.1 0.5 0.6 0.6 0.2 0.3 -0.1 0.2 0.3 0.3	RB + RB 047 298 467 387 749 419 339 863 819 863 819 876 072				
ÍNDEXS GINI CONCENTRACIÓ KAKWANI SUITS EFECTE	Renda Bài Quota sup Quota sup Quota sup Quota sup Quota sup Quota sup Quota sup Quota sup Quota sup Quota sup	ció, Progres VARIABLES bica bicit RB bicit IRPF sica bicit IRPF sica bicit IRPF sica bicit IRPF sica bicit IRPF	sivitat i Ree	distribució R 0,4 0,0 0,5 0,6 -0,4 0,1 0,2 -0,4 0,1 0,2 -0,4 0,1 0,2 -0,4 0,1 0,2 -0,4 0,1 0,2 -0,4 0,1 0,5 0,6 0,6 0,6 0,6 0,6 0,6 0,6 0,6	N 615 493 666 817 1122 050 202 202 1247 383 701 2786 397	RN - (0,4 0,0 0,5 0,6 -0,3 0,1 0,2 -0,3 0,1 0,1 0,3 0,0 0,0	QIRPF 163 593 653 705 570 490 542 542 5677 908 126 5403 741	RN - Qf 0.3 0.1 0.5 0.6 0.6 -0.1 0.2 0.3 -0.1 0.2 0.3 0.3 -0.0	RB + RB 047 298 467 387 749 419 339 863 819 876 1972 777				
ÍNDEXS GINI CONCENTRACIÓ KAKWANI SUITS EFECTE REDISTRIBUTIU	Renda Bài Quota sup Quota sup Quota sup Quota sup Quota sup Quota sup Quota sup Quota sup Quota sup Quota sup	ció, Progres VARIABLES sica bòsit RB bòsit IRPF sica bòsit RB bòsit IRPF sica bòsit RB bòsit RPF sica bòsit RB	sivitat i Ree	distribució R 0,4 0,0 0,5 0,6 -0,4 0,1 0,2 -0,4 0,1 0,2 -0,4 0,1 0,2 -0,4 0,1 0,2 -0,4 0,1 0,2 -0,4 0,0 0,0 0,5 0,6 0,6 0,6 0,6 0,6 0,6 0,6 0,6	N 615 493 666 817 1122 050 202 202 1247 383 701 2383 701 2786 397 462	RN - (0,4 0,0 0,5 0,6 -0,3 0,1 0,2 -0,3 0,1 0,1 0,3 -0,3 -0,3 0,0 0,0	QIRPF 163 593 653 705 570 490 542 542 542 5677 908 126 5403 741 676	RN - Qf 0.3 0.1 0.5 0.6 0.0 2 0.3 -0.1 0.2 0.3 -0.1 0.2 0.3 0.3 -0.0 0.0 0.0	RB + RB 047 298 467 387 749 419 339 863 819 876 1972 777 607				
ÍNDEXS GINI CONCENTRACIÓ KAKWANI SUITS EFECTE REDISTRIBUTIU	Renda Bà: Quota sup Quota sup Quota sup Quota sup Quota sup Quota sup Quota sup Quota sup Quota sup Quota sup	ció, Progres VARIABLES sica bòsit RB bòsit IRPF sica bòsit IRPF sica bòsit IRPF sica bòsit IRPF sica bòsit IRPF	sivitat i Ree	distribució R 0,4 0,0 0,5 0,6 0,6 0,6 0,0 0,1 0,2 0,1 0,2 0,4 0,1 0,2 0,2 0,4 0,1 0,2 0,2 0,4 0,1 0,5 0,6 0,6 0,6 0,6 0,6 0,6 0,6 0,6	N 615 493 666 817 1122 050 202 202 1247 383 701 2786 397 462	RN - (0,4 0,0 0,5 0,6 -0,3 0,1 0,2 -0,3 0,1 0,3 0,3 0,0,0 0,0 0,0 0,0	QIRPF 163 593 653 705 3570 490 542 3677 908 126 3403 741 676	RN - QF 0.3 0.1 0.5 0.6 0.2 0.2 0.3 -0,1 0.2 0.3 -0,2 0.3 -0,0 0.0 0,0 0,0 0,0	RB + RB 047 298 467 387 749 419 339 863 819 876 9972 777 607				
ÍNDEXS GINI CONCENTRACIÓ KAKWANI SUITS EFECTE REDISTRIBUTIU Distribució de Gua	Renda Bà: Quota sup Quota sup	ció, Progres VARIABLES sica sòsit RB sòsit IRPF sica sòsit RB sòsit IRPF sica sòsit RB sòsit IRPF sica sòsit RB sòsit RB sòsit RPF	nació sego	distribució R 0,4 0,0 0,5 0,6 -0,4 0,1 0,2 -0,4 0,1 0,2 -0,2 0,0 0,0 0,0 0,0 0,0 0,0 0,4 0,5 0,5 0,6 0,6 0,6 0,5 0,6 0,6 0,6 0,5 0,6 0,6 0,6 0,6 0,6 0,7 0,6 0,7 0,6 0,6 0,6 0,6 0,6 0,6 0,6 0,6	N 615 493 666 817 4122 202 202 202 202 202 202 202 202 202	RN - (0,4 0,0 0,5 0,6 -0,3 0,1 0,2 0,1 0,2 0,1 0,2 0,1 0,2 0,0 0,0 0,0 0,0 0,0 0,0 0,0 0,0 0,0	QIRPF 163 593 653 705 3570 490 542 908 126 3403 741 676 676	RN - QF 0.3 0.1 0.5 0.6 0.2 0.3 -0.1 0.2 0.3 -0.2 0.3 -0.2 0.3 -0.2 0.3 -0.2 0.3 -0.2 0.3 -0.2 0.3 -0.2 -0.2 -0.2 -0.3 -0.5 -0.2 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5	RB + RB 047 298 467 387 749 419 339 863 819 876 972 777 607	00%/	05%	00%	4000/
ÍNDEXS GINI CONCENTRACIÓ KAKWANI SUITS EFECTE REDISTRIBUTIU Distribució de Gua Variabl	Renda Bà: Quota sup Quota sup	ció, Progres VARIABLES sica sòsit RB sòsit IRPF sica sòsit RB sòsit RPF sica sòsit RPF sica sòsit RPF sica sòsit RPF sica sòsit RPF sica sòsit RPF sica sòsit RPF	nació sego 20%	distribució R 0,4 0,0 0,5 0,6 -0,4 0,1 0,2 -0,4 0,1 0,2 -0,2 0,0 0,0 0,0 10,00%	N 615 493 666 817 1122 050 202 1247 383 701 2786 397 462 40%	RN - (0,4 0,0 0,5 0,6 -0,3 0,1 0,2 -0,3 0,1 0,2 -0,3 0,1 0,0 3 0,1 0,0 3 0,0 0,0 0 0,0 0,0 0,0 0,0 0,0 0,0	QIRPF 163 593 653 705 3570 490 542 908 126 3403 741 676 60% 90 pc ^{e/}	RN - QF 0.3 0.1 0.5 0.6 -0.1 0.2 0.3 -0.1 0.2 0.3 -0.2 0.3 -0.2 0.3 -0.2 0.3 -0.2 0.3 -0.2 0.3 -0.2 0.3 -0.5 -0.2 0.3 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5	RB + RB 047 298 467 387 749 419 339 863 819 876 9972 777 607 80% 90.01%	90%	95% 96 45%	98% 87 87°/	100% 64 06º/
ÍNDEXS GINI CONCENTRACIÓ KAKWANI SUITS EFECTE REDISTRIBUTIU Distribució de Gua Variabi % Guanyadors Guany total (Milior	Renda Bà: Quota sup Quota sup S d'€)	ció, Progres VARIABLES sica sòsit RB sòsit IRPF sica sòsit RPF sica sòsit RPF sosit RPF sica sòsit RPF sosit RP	nació sego 20% 100.00%	distribució R 0,4 0,0 0,5 0,6 -0,4 0,1 0,2 -0,4 0,1 0,2 -0,2 0,0 0,0 0,0 10,00% 1,727,09	N 615 493 666 817 1122 050 202 1247 383 701 2786 397 462 40% 100,00% 1.753,73	RN - (0,4 0,0 0,5 0,6 -0,3 0,1 0,2 -0,3 0,1 0,2 -0,3 0,1 0,0 3 0,0 0 0,0 0 0,0 0 0,0 0 0,0 0 0,0 100,00% 11,223,32	QIRPF 163 593 653 705 3570 490 542 908 126 3403 741 676 60% 99 ,955% 1.835 .47	RN - QF 0.3 0.5 0.6 -0.1 0.2 0.3 -0.1 0.2 0.3 -0.1 0.2 0.3 -0.1 0.2 0.3 -0.1 0.2 0.3 -0.1 0.2 0.3 -0.1 0.2 0.3 -0.1 0.2 0.3 -0.1 0.2 -0.5 -0.1 -0.5 -0.1 -0.5 -0.1 -0.5 -0.1 -0.5 -0.5 -0.1 -0.5 -0.5 -0.1 -0.5 -0.1 -0.5 -0.1 -0.5 -0.1 -0.5 -0.1 -0.5 -0.1 -0.5 -0.1 -0.5 -0.1 -0.5 -0.1 -0.5 -0.1 -0.5 -0.1 -0.5 -0.1 -0.2 -0.3 -0.1 -0.5 -0.1 -0.2 -0.3 -0.1 -0.5 -0.1 -0.2 -0.3 -0.1 -0.2 -0.3 -0.1 -0.5 -0.1 -0.2 -0.3 -0.1 -0.2 -0.3 -0.5 -0.3 -0.1 -0.5 -0.1 -0.2 -0.3 -0.5 -0.1 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5	RB + RB 047 298 467 387 749 419 339 863 819 876 9972 777 607 80% 99.91% 1.725.94	90% 99.45% 1.690.34	95% 96.45% 758.68	98% 87.87% 361.99	100% 64.06% 171.31
ÍNDEXS GINI CONCENTRACIÓ KAKWANI SUITS EFECTE REDISTRIBUTIU Distribució de Gua Variabi % Guanyadors Guany total (Milior Guany per capita (Renda Bà: Quota sup Quota sup S	ció, Progress VARIABLES sica sòsit RB sòsit IRPF sica sòsit RPF sica sòsit IRPF sica sòsit IRPF	nació sego 20% 100.00% 1.716.82 6.307	distribució R 0,4 0,0 0,5 0,6 -0,4 0,1 0,2 -0,4 0,1 0,2 -0,2 0,0 0,0 0,0 10,00% 1.727,09 6.344	N 615 493 666 817 1122 050 202 1247 383 701 2786 397 462 100,00% 1.753,73 6.442	RN - (0,4 0,0 0,5 0,6 -0,3 0,1 0,2 -0,3 0,1 0,2 -0,3 0,1 0,0 3 0,1 50% (100,00% 1.823,32 6.696	QIRPF 163 593 653 705 3570 490 542 908 126 3403 741 676 60% 99 ,955% 1.835,47 6.746	RN - QF 0.3 0.1 0.5 0.6 -0.1 0.2 0.3 -0.1 0.2 0.3 -0.1 0.2 0.3 -0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	RB + RB 047 298 467 387 749 419 339 863 819 876 9972 777 607 80% 99.91% 1.725.94 6.346	90% 99.45% 1.690.34 6.244	95% 96.45% 758.68 5.779	98% 87.87% 361.99 5.044	100% 64,06% 171,31 4,912
ÍNDEXS GINI CONCENTRACIÓ KAKWANI SUITS EFECTE REDISTRIBUTIU Distribució de Gua Variabi % Guanyadors Guany total (Milior Guany per capita (% Perdedors	Renda Bà: Quota sup Quota sup S	ció, Progress VARIABLES sica sica sicit RB sica sica sica sica sica sica sica sica	nació sego 20% 100.00% 1.716.82 6.307	distribució R 0,4 0,0 0,5 0,6 -0,4 0,1 0,2 -0,4 0,1 0,2 -0,2 0,0 0,0 0,0 1,727,09 6,344 0,00%	N 615 493 666 817 1122 050 202 1247 383 701 2786 397 462 100,00% 1.753,73 6.442 0.00%	RN - (0,4 0,0 0,5 0,6 -0,3 0,1 0,2 -0,3 0,1 0,2 -0,3 0,1 0,0 3 0,1 0,0 3 0,0 0,0 0 0,0 0 0,0 0 0,0 0,0 0,0	QIRPF 163 593 653 705 3570 490 542 908 126 3403 741 676 60% 99,95% 1.835,47 6.746 0,00%	RN - QF 0.3 0.1 0.5 0.6 -0.1 0.2 0.3 -0.1 0.2 0.3 -0.1 0.2 0.3 -0.1 0.2 0.3 -0.1 0.2 0.3 -0.1 0.2 0.3 -0.1 0.2 0.3 -0.1 0.5 5 -0.1 0.5 -0.1 0.5 5 -0.1 0.5 5 -0.1 0.5 5 -0.1 0.5 5 -0.1 0.5 5 -0.1 0.5 -0.1 0.5 -0.1 0.0 0.0 0 -0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	8B + RB 047 298 467 387 749 419 339 863 819 876 9972 777 607 80% 99.91% 1.725.94 6.346 -0.10%	90% 99,45% 1.690.34 6.244 -0.49%	95% 96.45% 758.68 5.779 -3.59%	98% 87.87% 361,99 5.044 -12,09%	100% 64.06% 171.31 4.912 -35,85%
ÍNDEXS GINI CONCENTRACIÓ KAKWANI SUITS EFECTE REDISTRIBUTIU Distribució de Gua Variabl % Guanyadors Guany total (Milior Guany per capita (% Perdedors Pèrdua total (Milior	Renda Bà: Quota sup Quota sup Stata sup Quota sup Quota sup Stata	ció, Progress VARIABLES sica bòsit RB bòsit IRPF sica bòsit IRPF	nació sego 20% 100.00% 1.716.82 6.307 0.00%	distribució R 0,4 0,0 0,5 0,6 -0,4 0,1 0,2 -0,4 0,1 0,2 -0,2 0,0 0,0 0,0 100,00% 1.727,09 6.344 0,00% 0,0 0,0 0,0 0,0 0,0 0,0 0	N 615 493 666 817 1122 050 202 1247 383 701 2786 397 462 40% 100,00% 1.753,73 6.442 0,00% 0,00	RN - (0,4 0,0 0,5 0,6 -0,3 0,1 0,2 -0,3 0,1 0,2 -0,3 0,1 0,3 0,0 0,0 0,0 0 0,0 0 0,0 0 0,0 0 0,0 0 0,0 0 0,0,0 0 0,0,0 0 0,0 0,0 0,0 0 0,0 0 0,0 0 0,0 0 0,0 0 0 0,0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	QIRPF 163 593 653 705 3570 490 542 908 126 3403 741 676 60% 99,95% 1.835,47 6.746 0,00% 0,00	RN - QF 0.3 0.1 0.5 0.6 -0.1 0.2 0.3 -0.1 0.2 0.3 -0.1 0.2 0.3 -0.1 0.2 0.3 -0.1 0.2 0.3 -0.1 0.2 0.3 -0.1 0.2 0.3 -0.1 0.5 -0.1 0.0 -0.1 0.0 -0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	8B + RB 047 298 467 387 749 419 339 863 819 876 9972 777 607 80% 99.91% 1.725.94 6.346 -0.10% 0.22	90% 99,45% 1.690,34 6.244 -0,49% 0,73	95% 96.45% 758.68 5.779 -3.59% 9.04	98% 87.87% 361.99 5.044 -12.09% 32.87	100% 64,06% 171,31 4.912 -35,85% 480,18
ÍNDEXS GINI CONCENTRACIÓ KAKWANI SUITS EFECTE REDISTRIBUTIU Distribució de Gua Variabl % Guanyadors Guany total (Milion Guany per capita (% Perdedors Pèrdua total (Milion Pèrdua per capita (Renda Bà: Quota sup Quota sup S	ció, Progress VARIABLES sica bòsit RB bòsit IRPF sica bòsit IRPF sica bòsit IRPF sica bòsit IRPF sica bòsit RB bòsit IRPF sica bòsit RB bòsit IRPF sica bòsit IRPF sica si 100,00%	nació sego 20% 100.00% 1.716.82 6.307 0.00% 0.00 0	distribució R 0,4 0,0 0,5 0,6 -0,4 0,1 0,2 -0,4 0,0 0,0 0,0 0,0 0,0 0,0 0,0	N 615 493 666 817 1122 050 202 12247 383 701 2786 397 462 40% 100,00% 1.753,73 6.442 0,00% 0,00 0	RN - (0,4 0,0 0,5 0,6 -0,3 0,1 0,2 -0,3 0,1 0,2 -0,3 0,1 0,3 0,0 0,0 0,0 0 0,0 0 0,0 0 0,0 0 0,0 0 0,0 0 0,0,0 0 0,0 0 0,0 0 0,0 0 0,0 0 0,0 0 0,0 0 0 0 0,0 0 0,0 0 0 0,0 0 0 0 0,0 0 0 0,0 0 0 0 0 0,0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	QIRPF 163 593 653 705 3570 490 542 908 126 3403 741 676 60% 99,95% 1.835,47 6.746 0,00% 0,00 0	RN - QF 0.3 0.1 0.5 0.6 -0.1 0.2 0.3 -0.1 0.2 0.3 -0.1 0.2 0.3 -0.1 0.2 0.3 -0.1 0.2 0.3 -0.1 0.2 0.3 -0.1 0.2 0.3 -0.1 0.5 -0.1 0.0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 -0.1 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8B + RB 047 298 467 387 749 419 339 863 819 876 9972 777 607 80% 99.91% 1.725.94 6.346 -0.10% 0.22 799	90% 99,45% 1.690,34 6.244 -0,49% 0,73 540	95% 96.45% 758.68 5.779 -3.59% -3.59% -1.848	98% 87.87% 361,99 5.044 -12,09% 32,87 3.329	100% 64,06% 171,31 4.912 -35,85% 480,18 24.604
ÍNDEXS GINI CONCENTRACIÓ KAKWANI SUITS EFECTE REDISTRIBUTIU Distribució de Gua Variabl % Guanyadors Guany total (Milion Guany per capita (% Perdedors Pérdua total (Milion Pérdua per capita (Renda Bà: Quota sup Quota sup S	ció, Progress VARIABLES sica bòsit RB bòsit IRPF sica bòsit IRPF sica si si s	nació sego 20% 100.00% 1.716.82 6.307 0.00% 0.00 0	distribució R 0,4 0,0 0,5 0,6 -0,4 0,1 0,2 -0,2 0,0 0,0 0,0 0,0 0,0 0,0 0,0	493 666 817 1122 050 202 1247 383 701 2786 397 462 40% 100,00% 1.753,73 6.442 0,00% 0,00% 0,00%	RN - (0,4 0,0 0,5 0,6 -0,3 0,1 0,2 -0,3 0,1 0,2 0,3 0,0 0,0 0,0 0 0,0 0 50% 100,00% 1.823,32 6.696 0,00% 0,00 0	QIRPF 163 593 653 705 570 490 542 908 126 3403 741 676 60% 99,95% 1.835,47 6.746 0.00% 0.00 0	RN - QF 0.3 0.1 0.5 0.6 -0.1 0.2 0.3 -0.1 0.2 0.3 -0.1 0.2 0.3 -0.1 0.2 0.3 -0.0 0.00 0.00% 0.00% 0.00% 0.00	8B + RB 047 298 467 387 749 419 339 863 819 876 9972 777 607 80% 99.91% 1.725,94 6.346 -0.10% 0.22 799	90% 99,45% 1.690,34 6.244 -0,49% 0,73 540	95% 96.45% 758.68 5.779 -3.59% -9.04 1.848	98% 87.87% 361,99 5.044 -12,09% 32.87 3.329	100% 64.06% 171,31 4.912 -35,85% 480,18 24.604



Simulació-3

TABLE A6. SIMULATION 4

		SIMUL	ACIÓ-4	-		100 0100								
PARÀMETRE	SICARA	CTERÍSTIQ	UES											
Renda Bàsica	a per adul	t		5.414,40	€ anuals	=								
Renda Bàsica	a per men	or de 18 ar	nys	2.707,20	€ anuals									
Renda Bàsica	a per llar			No es conte	empla	-								
Base imposal	ble gener	al i especia	al conjuntes	8		-								
	Tarifa	a Base con	junta			-								
TRAM-1	0€	5000€	20,00%											
TRAM-2	5000€ 15000€	15000€ 25000€	35,00%											
	15000€ 25000€	25000€	45,00%											
TRAM-5	45000€	En endav.	60,00%											
						8								
RESULTATS	GENERA	LS												
				MITJA	NA (€)	- 05%		TOTAL (m	nilions d'€)	- 05%				
v	ariables		Valor	Err. Est.	Limit	S 95%	Valor	Err. Est.	Limit	S 95%				
Rendiment ne	et (RN)		20 171 94	106 85	19 962 51	20 381 38	54 912 46	469 91	53 991 43	55 833 48	I			
Renda Bàsica	a (RB)		8.135.26	21.32	8.093.48	8.177.04	22,145,96	141.68	21.868.27	22.423.65				
Quota supòsi	it RB (QR	B)	7.875,49	59,16	7.759,54	7.991,44	21.438,82	208,46	21.030,23	21.847,40	•			
Quota supòsi	it IRPF (Q	IRPF)	3.501,12	24,65	3.452,80	3.549,44	9.530,81	87,28	9.359,74	9.701,88				
Declarants			2.722.220											
Població dete	ectada		4.681.306	Dèf	icit Finança	ament RB =	707 Milion	sd'€						
Nombre de lla	ars detec	tades	2.175.736		% de Gu	anyadors =	88,30%							
DECILS (orde	enació se	oons RN):	Rendiment	net. Renda	Bàsica i Qu	lotes								
		5,-	10%	20%	30%	40%	50%	60%	70%	80%	90%	95%	98%	100%
v	ariables		acum.	acum.	acum.	acum.	acum.	acum.	acum.	acum.	acum.	acum.	acum.	acum.
Rendiment no	ot (RN)		1,020%	2,729%	4,146%	5,410%	6,644%	7,980%	9,731%	11,937%	15,460%	10,833%	9,268%	14,842%
Rendment ne			1,020%	3,749%	7,896%	13,305%	19,949%	27,929%	37,660%	49,597%	65,057%	75,890%	85,158%	100,000%
Renda Bàsica	a (RB)		8,261%	8,781%	9,310%	9,740%	10,247%	10,542%	10,733%	10,405%	10,909%	5,553%	3,314%	2,206%
			8,261%	17,042%	26,352%	36,092%	46,338%	56,880%	67,613%	78,018%	88,927%	94,479%	97,794%	100,000%
Quota supòsi	it RB (QR	B)	0,523%	2.050%	2,700%	3,097% 8 712%	5,003% 12 715%	20.060%	0,301%	10,936%	15,751%	67 288%	78 066%	21,034%
			0,023%	0.355%	1 193%	2 221%	3 498%	5 033%	7 241%	10 606%	16 105%	13.576%	13,928%	26 214%
Quota supòsi	it IRPF (Q	IRPF)	0,031%	0,386%	1,579%	3,800%	7,298%	12,331%	19,571%	30,177%	46,282%	59,858%	73,786%	100,000%
Població			7,747%	8,422%	9,067%	9,637%	10,223%	10,567%	10,926%	10,574%	11,225%	5,786%	3,501%	2,325%
1 oblacio			7,747%	16,169%	25,236%	34,873%	45,097%	55,663%	66,589%	77,163%	88,388%	94,174%	97,675%	100,000%
			T im											
DECILS (orde	ariables	gons RN):	1 10%	20%	30%	40%	50%	60%	70%	80%	90%	95%	98%	100%
0	RR s/RN		20.000%	20 %	26.032%	28 127%	29.402%	31.043%	33 530%	35 772%	39 777%	44 267%	48 772%	55 328%
QI	RPF s/RN		0,527%	2,260%	4,992%	7,127%	9,137%	10,947%	12,915%	15,420%	18,081%	21,751%	26,082%	30,655%
(QRI	B-RB) s/R	N	-306,5%	-107,9%	-64,5%	-44,5%	-32,8%	-22,2%	-11,0%	0,6%	11,3%	23,6%	34,3%	49,3%
INDEXS: Desi	igualtat, (Concentrac	ció, Progres	sivitat i Re	distribució									
ÍNDEX	s		VARIABLES	6	F	RN	RN -	QIRPF	RN - QI	RB + RB				
GINI					0.4	615	0.4	163	0.2	751	I.			
•		Renda Bàs	sica		0.0	493	0.0	593	0.1	427				
CONCENTRA	CIÓ	Quota sup	òsit RB		0,5	5743	0,5	730	0,5	434	•			
		Quota sup	òsit IRPF		0,6	817	0,6	705	0,6	235				
		Renda Bàs	sica		-0,4	4122	-0,3	3570	-0,1	1324				
KAKWANI		Quota sup	òsit RB		0,1	127	0,1	566	0,2	683				
		Quota sup	OSIT IRPF		0,2	202	0,2	04Z	0,3	1202				
SUITS		Renua bas	Acit PR		-0,2	413	-0,3	948	-0,	060	•			
		Quota sup	òsit IRPF		0,1	2701	0,1	126	0,0	004	•			
FFFOTE		Renda Bàs	sica		-0,2	2786	-0,3	3403	-0,0	0876	1			
REDISTRIBUT	ті	Quota sup	òsit RB		0,0)722	0,1	403	0,1	683	-			
		Quota sup	òsit IRPF		0,0	462	0,0	676	0,0	721				
Diotrikusić d		doro Derit	adoro (arri-	naoló										
	e Guanya ariables	uors-Perde	euors (orde	114CIO SEGO	115 KN) 30%	40%	50%	60%	70%	80%	90%	95%	98%	100%
% Guanvador	rs		100,00%	100.00%	100.00%	100.00%	100.00%	99,95%	99,68%	95,15%	68,15%	32,96%	11,27%	1.01%
Guany total (I	Milions d	'€)	1.720,34	1.651,06	1.582,81	1.533,13	1.529,91	1.453,97	1.275,61	977,92	675,37	157,85	24,10	3,96
Guany per ca	pita (€)		6.320	6.065	5.814	5.632	5.618	5.344	4.701	3.775	3.640	3.519	2.619	7.223
% Perdedors			0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	-0,38%	-4,85%	-31,79%	-67,08%	-88,69%	-98,90%
Pèrdua total (M	Milions d'€	E)	0,00	0,00	0,00	0,00	0,00	0,00	0,28	7,74	101,37	267,53	444,83	1.526,34
Perdua per ca	ipita (€)		0	0	0	0	0	0	273	586	1.171	2.930	б.141	28.348
L														



Simulació-4

GRAPH 1 SOURCES OF TAX REVENUE IN CATALONIA (2002)

Note: the **first graph** represents the distribution of tax revenue by source in the assumption -which we are doing in this study- that the Catalan Administration controls 100% of the tax system. The **second graph** represents present real situation as far as Catalan Administration is concerned.

IRPF = income tax. IVA = VAT. Especiales = Direct taxation on consumption. Transm. Patrim. = Tax on donations. Sucesiones = estate duty.



Source: Sánchez (2002) and own elaboration.