

Greece
GBAORD national metadata 2012 December collection 2011

1 National organisations / agencies

National organisations responsible for the compilation and transmission of GBAORD statistics to Eurostat and OECD. Where more than one organisation is responsible, information is presented separately for each one.

1.1 Organisation's name	National Documentation Centre (EKT) / National Hellenic Research Foundation (NHRF), Strategic Planning & Development Department
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1.2 Responsible person(s)	Evi Sachini, Nena Malliou, Tonia Ieromnimon, Maria Samara
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1.3 Contact information	National Documentation Centre (EKT) / National Hellenic Research Foundation (NHRF) Strategic Planning & Development Department 48, Vas. Constantinou Ave, GR-11635 Athens tel.: +30210 7273946, fax: +30210 7246824 e-mail: nmalliou@ekt.gr, ieromnia@ekt.gr http://www.ekt.gr
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1.4 Additional information	<p>EKT took over the collection and production of R&D and GBAORD statistics in spring 2011. EKT has collected GBAORD data covering years 2008 – 2012. This metadata report accompanies GBAORD data for 2008 – 2012 (provisional figures).</p> <p>Before that it was the General Secretariat for Research and Technology (GSRT) that produced GBAORD statistics and further in the past (before 1985) it was the Ministry of Research and Technology and (before 1983) YEET (a special Agency for Scientific and Technological Research under the Ministry of Coordination).</p>
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2 Coverage and definitions

2.1 General coverage

2.1.1 Definition of R&D

Frascati manual? (Y/N)	Frascati Manual definition to identify R&D
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[If No, please provide definition used]	
Comments	N/A

2.1.2 Do GBAORD statistics cover R&D or S&T in general?	R&D
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2.1.3 Fields of science covered	GBAORD data cover NSE and SSH
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2.2 Definition and coverage of government

2.2.1 Definition and coverage of government

	Definition [Institutions assigned to each level, which are covered by GBAORD]	Included in GBAORD? (Y/N)	Comments
Central government	Ministries (Central Administrations), General Secretariats and Regions. Regions are territorially self-governed Public Legal Entities responsible for planning and implementing policies at regional level	Y	General Secretariats have only been covered as separate reporting units in cases of 'important' R&D Secretariats (e.g. General Secretariat for Research and Technology) or in cases of complex structures in some Ministries (e.g. Ministry of Environment).
Provincial / state government	Prefectures and Municipalities	N	N/A
Local government	-	N	N/A

2.3 Government budget appropriations and outlays

The net principle is recommended by the FM (§ 488, 489-490) for the coverage of government budget appropriations and outlays. Information is requested on deviations from that principle and other issues related to government funds and expenditures.

2.3.1 Definition of the government funds included in GBAORD statistics	GBAORD covers government budget split into: A) Ordinary budget, B) Investment budget and C) some Special accounts. Ordinary budget revenues come mainly from taxation and is allocated mainly to institutes of the public sector (including
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	universities as well as institutions located abroad – e.g. CERN), while Investment budget includes other government revenues and also EU support (European Regional Development Fund, European Social Fund, Cohesion Fund) allocated to public and private institutes in the form of projects/programmes (project funding). Special accounts, which are actually adjacent to the government budget, are mainly used for project funding.
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2.3.2 Is the net principle followed?	Gross approach – inclusion of the EU support funds (see more in 2.3.3).
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2.3.3 Are EU/other funds included?	Greece is a net beneficiary of EU support. Thus, since 1995 the whole budget of the structural funds coming from the EU (under the Community Support Framework and other community initiatives) has been included in GBAORD. More precisely since 1995 the EU contribution to the structural funds is added to the respective Greek funds in the chapter Public Investment Budget of the government budget.
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2.3.4 Are extra budgetary funds included?	Extra budgetary funds are excluded. Only some special accounts mentioned above have been included with very small contribution to the total GBAORD (0.06% in 2011).
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2.3.5 Please specify the treatment of loans	Till now we have not dealt with such a case.
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2.3.6 Please specify the treatment of indirect funding, tax rebates, etc.	Indirect funding (tax rebates, ...) is excluded.
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2.3.7 Is VAT included in GBAORD data?	With some exceptions, VAT has always been excluded.
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2.3.8 Are both current and capital expenditure included?	GBAORD include both current and capital expenditure
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<p>2.3.9 Please specify the treatment of GBAORD going to R&D abroad.</p>	<p>GBAORD covers the national contribution (part of the Ordinary Budget) to R&D performed abroad: European Organizations (European Molecular Biology Laboratory (EMBL), European Molecular Biology Conference (EMBC), CERN, European Space Foundation (ESF), European Space Agency (ESA), European Organization for the Exploitation of Meteorological Satellites (EUMETSAT)), International Organisations (International Astronomical Union (IAU), International Atomic Energy Organization (IAEA), World Meteorological Organization (WMO)), and also contribution to public institutions allocated abroad (e.g. The Hellenic Institute in Venice, which is administered and finance by the Ministry of Foreign Affairs)</p>
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3 Measurement

3.1 Data collection

3.1.1 Information on data collection

	Provisional data	Final data	Comments
Data sources	Government budget: Ordinary budget, Investment budget and some special accounts	Government budget: Ordinary budget, Investment budget and some special accounts	N/A
Data collection method [budget text analysis, survey, both?]	a) Survey to funding/administrative authorities and b) budget text analysis undertaken by EKT/NHRF for validation purposes.	a) Survey to funding/administrative authorities and b) budget text analysis undertaken by EKT/NHRF for validation purposes.	N/A
Reporting units [Please specify the institutions and whether they are those institution funding/administering, institution or those performing R&D]	Funding/administering institutions(ministries, general secretariats, regions)	Funding/administering institutions(ministries, general secretariats, regions)	N/A
Basic variable (appropriations or outlays?) [please be as specific as	Initial budget appropriations have been collected for years 2011 and 2012	Final budget appropriations have been collected for years 2008 – 2011	Regarding Final data, and especially for years 2008 – 2010, some of the reporting units had

possible]			difficulties to retrieve appropriations from their archives and therefore provided outlays.
Stage of data collection [FM § 478-479]	iv) Initial budget appropriations (figures as voted by the parliament for the coming year, including changes introduced in the parliamentary debate)	v) Final budget appropriations (figures as voted by the parliament for the coming year, including additional votes during the year).	N/A
Time of data collection (T+x) [T is assumed to represent the end of reference period. x expresses the number of months after (positive) or before (negative) T when data is collected.]	Before 2008 it was T+3 For years 2009 – 2010 no provisional data are available. 2011: T+10 2012: T-3 2013 onwards: T-5 (planned)	Before 2008 it was T+12 2008:T+46 2009: T+34 2010: T+22 2011: T+10 2012 onwards: T+7 (planned)	N/A

3.1.2 Nature of reference period

	Calendar year	Fiscal year
Reference period [Please specify start-end months for fiscal year only]	Calendar year.	Fiscal year = Calendar year
Calendar year of attribution of fiscal year (T or T+1?)	-	-

3.1.3 Problems in the translation of budget items	-
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3.2 Identifying R&D

3.2.1 Method(s) of separating R&D from non-R&D (coefficients, etc.)	Separation of R&D from non-R&D was done by the reporting units following the recommendations of EKT/NHRF in line with the Frascati Manual recommendations. Regarding the Ordinary budget, which covers mainly institutional funding, a distinction was recommended to be made between the 'core
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	R&D institutions' having R&D as their main activity and other institutions where R&D is part of their activities. Some ministries have applied their own coefficients for the 'other institutions', while EKT has applied coefficients to derive GUF (see 3.3). In what regards the Investment budget, which covers programme funding, a selection was made based on the content and purpose of the funded projects.
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3.2.2 Coefficient estimation method (if applicable)	Coefficients, when applied to distinguish 'core R&D' from 'other institutes', were made by the reporting unit.
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3.2.3 Frequency of updating of coefficients	Coefficients will be revised in the coming year when the R&D survey that runs to the R&D performers gives results about the institutions' own evaluation for their R&D intensity.
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3.3 General University Funds (GUF)

This section needs to be filled in only if different methods than those reported in sections 3.1 and 3.2 are used for GUF.

3.3.1 Data sources	The estimation of the R&D share of the Ordinary budget of the Universities and of the Technological Educational Institutes (TEI) was made by EKT based on literature review and using the coefficients that have been calculated in the past in the universities and TEIs, through time-use surveys.
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3.3.2 Data collection method	Not applicable
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3.3.3 Method(s) of distinction (coefficients, etc.) between R&D and non-R&D	Not applicable
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3.3.4 Coefficient estimation method (if applicable)	Not applicable
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3.3.5 Frequency of updating of coefficients	Coefficients will be revised in the coming year when the R&D survey that runs to the R&D performers (HES) gives results about the institutions' own evaluation for the R&D part of their Ordinary Budget.
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3.4 Distribution by socio-economic objectives (SEO)

3.4.1 General issues

Level of distribution of budgetary items – institution or programme/project [FM § 501]	Budgetary items of the Ordinary budget are distributed at institutional level. Budgetary items of the Investment budget are distributed at project level .
Criterion of distribution – purpose or content [FM § 497-498]	Purpose in both cases of institutional and project level distribution.
Method of identification of primary objectives [FM § 500]	Both direct derivation and indirect spin-off approach.
Difficulties of distribution	Central Government authorities do not use the NABS classification in their budget' functions. Reporting units had thus difficulties to distribute GBAORD into objectives. Difficulties were mostly reported when distributing the ordinary (institutional) R&D. Occasionally they had to consult the performing institutions about splitting their R&D budgets into objectives.

3.4.2 Initial classification

National nomenclature used [Specify the national nomenclature of SEO used and provide reference to it or provide the nomenclature in Annex C]	National classification is not used.
Correspondence table with NABS [Provide reference to the table or provide the table in Annex C]	Not applicable.
Problems with NABS correspondence	Not applicable.

3.4.3 NABS classification

Deviations from NABS	No deviations.
Problems in identifying / separating NABS chapters and sub-chapters	Some problems with the subjectivity of allocating project funds to objectives and also problems when allocating institutional funds as mentioned above (3.4.1). Information at sub-chapter level has not been collected.
Ability to distribute Non-oriented	“Non-oriented research” and “general university funds

research and GUF by field of science	(GUF)” are not available by field of science (FOS) but will be made available in the coming year using the results of the R&D survey to the R&D performing units.
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3.5 Other measurement issues

<i>3.5.1 Treatment of multi-annual programmes</i>	In line with the Frascati recommendation (FM§ 495), multi-annual projects are allocated to the GBAORD of the year(s) in which they are budgeted. Neither in the year(s) of performance nor in the year of authorization.
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<i>3.5.2 Possibility to classify budgetary items by COFOG functions</i>	This allocation has never been made before. We could possibly consider classifying budgetary items by COFOG (top level) since the reporting units are mainly ministries that reflect government structure and functions.
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<i>3.5.3 Possibility to classify budgetary items by other nomenclatures</i>	Classification into institutional and project funding as proposed by the new Regulation.
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<i>3.5.4 Method of estimation of future budgets</i>	No estimations of future budgets are made.
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4 Comparability between GBAORD and Government-financed GERD

<i>4.1 Comparability between GBAORD and Government-financed GERD</i>	General differences are those outlined in the FM § 522 and 523.
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5 Breaks in time series

5.1 Breaks in time series

	Break years	Nature of the breaks (brief description, and if possible, quantitative evaluation of impact on the indicators' values)

<p>Provisional data</p>	<p>1984, 2004, 1995, 1989, 1984, 1983, 2008</p>	<p>2008: Revision in methodology. GBAORD data (appropriations) are collected exclusively from funders. Besides that methodological change, the following two issues should be indicated:</p> <p>a) the way that Structural Funds are absorbed in Greece. In particular, during the implementation phase of the 3rd CSF, the largest amount of available funds was distributed towards the end period of the Framework, namely 2008 and partially 2009. Therefore the peak in the overall GBAORD figures for 2008. Years 2008 – 2009 were also overlapping years with the National Strategic Reference Framework 2007-2013 (NSFR). The contribution of NSFR to the GBAORD figures is expected to peak again after 2012 (rise in 2013, peaks in 2014 and 2015 depending on the timeframe of eligible payments).</p> <p>b) Archaeological and cultural R&D activities, which is the lion's share of GBAORD NABS 10 chapter, were previously uncovered and therefore underestimated. The adoption of the new NABS 2007 classification, which included as a separate chapter "Culture", resulted in a better identification of R&D activities in this domain. Before 2007, NABS 1992 cultural activities were included under the heading Social structures and relations (Chapter 8.), and were therefore uncovered.</p> <p>2004: Research coefficients were revised for higher education, including GUF.</p>
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		<p>1995: In 1995, the whole budget of the structural funds coming from the EU (under the Community Support Framework and other community initiatives), the contribution of the EU included, has been added to GBAORD. Research coefficients were revised for higher education, including GUF.</p> <p>1989: research coefficients were revised for higher education, including GUF.</p> <p>1984: In 1984 there was a break in series</p> <p>1983: methodology for GBAORD data was modified in order to improve international comparability. - Public enterprises are excluded (break in series); - Establishment of the "research coefficients" to evaluate the amounts in HE. General university funds are calculated from the "research coefficients" established on the basis of a survey of higher education institutions. The first survey for the estimation of these coefficients was done in 1983.</p>
<p>Final data</p>	<p>1984, 2004, 1995, 1989, 1984, 1983, 2008</p>	<p>2008: Revision in methodology. GBAORD data (appropriations) are collected exclusively from funders.</p> <p>Besides that methodological change, the big break in 2008 can also be explained by the following two factors: a) the way that Structural Funds are absorbed in Greece. In particular, during the implementation phase of the 3rd CSF, the largest amount was distributed towards the end period of the Framework. Therefore the peak in the overall GBAORD figures for 2008. Years 2007 – 2008 were overlapping years with</p>

		<p>the National Strategic Reference Framework (NSFR), the contribution of which to the GBAORD figures is expected to peak again after 2012 (2013 and probably also 2014). b)</p> <p>Archaeological and cultural research, which is the lion's share of GBAORD NABS 10 chapter, was previously undercovered and therefore underestimated. Before 2007, there was no separate chapter in the NABS 1992 related to cultural activities. Cultural activities were included in Chapter 8. Social structures and relations, and were therefore undercovered.</p> <p>2004: Research coefficients were revised for higher education, including GUF.</p> <p>1995: In 1995, the whole budget of the structural funds coming from the EU (under the Community Support Framework and other community initiatives), the contribution of the EU included, has been added to GBAORD. Research coefficients were revised for higher education, including GUF.</p> <p>1989: research coefficients were revised for higher education, including GUF.</p> <p>1984: In 1984 there was a break in series</p> <p>1983: methodology for GBAORD data was modified in order to improve international comparability. - Public enterprises are excluded (break in series); - Establishment of the "research coefficients" to evaluate the amounts in HE. General university funds are calculated from the "research coefficients" established</p>
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6 National dissemination

6.1 Content

6.1.1 Content	GBAORD data will be published in the following webpage: http://metrics.ekt.gr/ (currently in Greek only)
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6.2 Practices

6.2.1 Format of released information	This information will be provided in the coming months.
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6.2.2 Access rights to the information	N/A
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6.2.3 Cost of access	N/A
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6.2.4 Treatment of confidential information	N/A
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7 Data availability

The following tables report availability issues of provisional and final GBAORD data. Separately information is provided at NABS chapter and sub-chapter level as well as for special categories such as Biotechnology, Security or any other applicable at country level. The tables contain the following columns:

- Availability: Y (Yes) - if data are available; Specify the year data collection begun. N(No) if no data are available.
- Frequency: frequency of data compilation (e.g. annual, every two years etc.)
- Gap years: years with missing data.
- Time of compilation: in T+x format: T is assumed to represent the end of reference period. x expresses the number of months after (positive) or before (negative) T when data is compiled.
- Comments: Add any comments regarding the aforementioned issues (e.g. specificities about particular NABS chapters, etc).

7.1 Provisional data

	Availability (Y-start year, N)	Frequency	Gap years	Time of compilation (T+x)	Comments
Total GBAORD	Y (- before 1983)	Annual	2009, 2010	N/A	N/A
NABS Chapter level	Y	Annual	N/A	N/A	N/A
NABS Sub-chapter level	Y-2001	Annual until 2008	N/A	N/A	N/A
Special categories - Biotech	Y-2001	Annual until 2008	N/A	N/A	They will be made available when data from the R&D survey to R&D performers are compiled
Special categories - Security	N/A	N/A	N/A	N/A	N/A

7.2 Final data

	Availability (Y-start year, N)	Frequency	Gap years	Time of compilation (T+x)	Comments
Total GBAORD	Y-1978	Annual	N/A	N/A	N/A
NABS Chapter level	Y-1978	Annual	N/A	N/A	N/A
NABS Sub-chapter level	Y-1986	Annual until 2008	N/A	N/A	N/A
Special categories - Biotech	Y-1984	Annual until 2008	N/A	N/A	They will be made available when data from the R&D survey to R&D performers are compiled
Special	N/A	N/A	N/A	N/A	N/A

categories - Security					
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7.3 Information on other special categories

	Special category	Stage (Provisional (P) / Final (F))	Availability (Y-start year, N)	Frequency	Gap years	Time of compilation (T+x)	Comments
1.	GBAORD by Ministry/Region	P/F	Y-2008	Annual	N/A	N/A	N/A
2.	Project/Institutional funding	P/F	Y-2008	Annual	N/A	N/A	N/A
3.	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4.	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5.	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6.	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7.	N/A	N/A	N/A	N/A	N/A	N/A	N/A

7.4 Additional information	N/A
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8 Annex A

8.1 Annex A	GBRD_questionnaire_final.pdf
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9 Annex B

9.1 Annex B	N/A
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