



The Research and Perspectives for Young Researchers in Europe

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FUNDRAISING
Opportunità per la Ricerca – 28.06.2010

Research financing is currently one of the most important and urgent problems in Italy. The possibility to get national or regional funds to support basic and/or applied industrial research becomes always more difficult, while, in turn, only research and innovation can permit to Western Countries to maintain their competitiveness in the global arena.

MIUR – PRIN FUNDING

	2008	2007	2006	2005	2004	2003	2002
	D.M. 20.01.10	D.M. 22.12.08	D.M. 28.12.06	D.M. 22.12.05	D.M. 08.11.04	D.M. 23.10.03	D.M. 21.11.02
01: Scienze matematiche e inform.	3.145.627	2.875.700	2.709.300	4.883.000	4.355.000	4.160.000	4.866.000
02: Scienze fisiche	7.388.338	7.059.500	6.469.480	10.884.000	10.639.000	10.291.000	10.723.000
03: Scienze chimiche	10.058.769	10.555.958	9.433.290	14.275.000	15.558.000	16.672.000	14.931.000
04: Scienze della Terra	2.895.000	2.826.783	2.463.000	3.960.000	4.110.000	4.160.000	3.774.000
05: Scienze biologiche	11.837.021	12.492.819	10.172.190	15.932.000	17.669.000	16.618.000	17.160.000
06: Scienze mediche	17.181.162	19.222.637	15.828.880	23.722.000	26.953.000	27.304.000	23.532.000
07: Scienze agrarie e veterinarie	6.242.732	6.972.555	5.410.390	8.064.000	9.272.000	9.253.000	8.481.000
08: Ingegneria civile ed Architettura	6.078.389	6.410.378	5.410.390	8.372.000	9.698.000	8.486.000	9.009.000
09: Ingegneria industriale e dell'informazione	11.093.076	11.836.366	8.776.490	15.161.000	13.981.000	14.077.000	16.419.000
10: Scienze dell'architettura	5.700.000	5.166.288	4.269.200	7.370.000	6.565.000	7.320.000	7.638.000
11: Scienze filosofiche, pedagogiche e psicologiche	4.599.925	4.563.883	3.858.700	6.314.000	5.870.000	6.982.000	5.225.000
12: Scienze giuridiche	2.863.021	2.753.900	2.463.000	3.921.000	4.110.000	4.160.000	4.044.000
13: Scienze economiche e statistiche	3.100.000	3.152.435	2.463.000	3.921.000	4.110.000	4.160.000	4.573.000
14: Scienze politiche e sociali	2.851.000	2.710.798	2.372.690	3.921.000	4.110.000	3.617.000	3.493.000
TOTALE (€)	95.034.060	98.600.000	82.100.000	130.700.000	137.000.000	137.260.000	133.868.000



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In the last PRIN call, **986 projects** have been financed at all, with an average support of **26.000€** for **research unit** over **two** years!

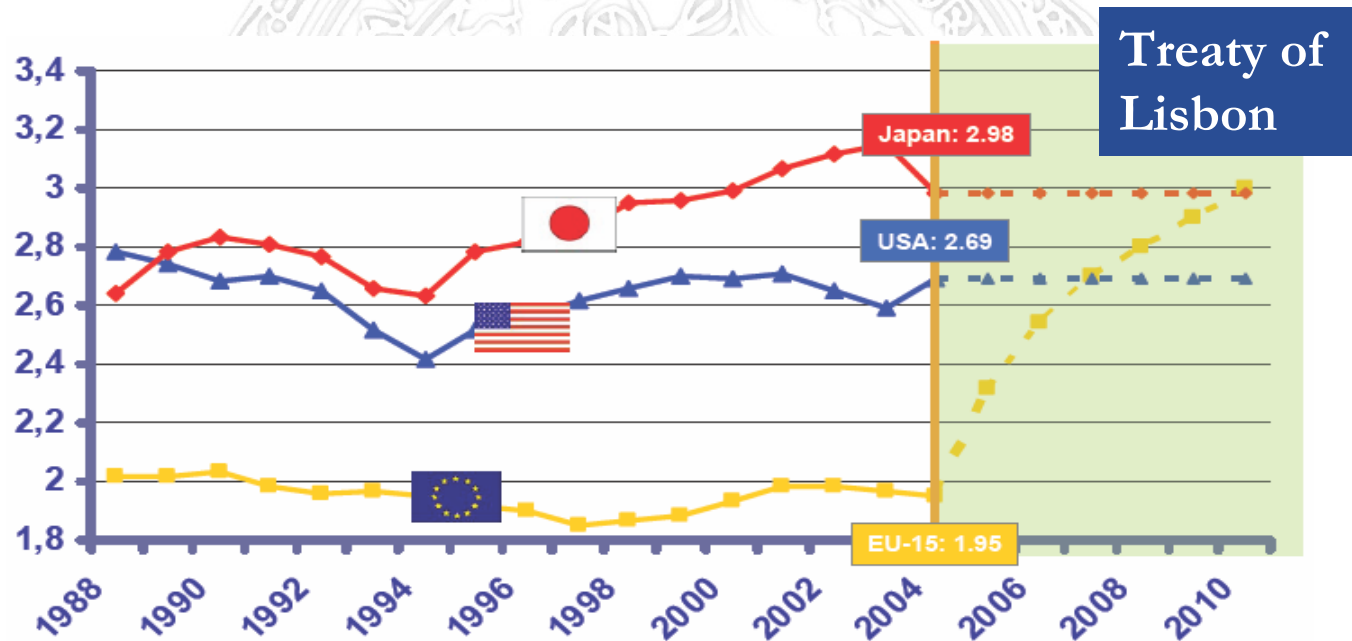
This value is dramatically consistent with the global data concerning Italian investment in R&D

Eurostat 2004

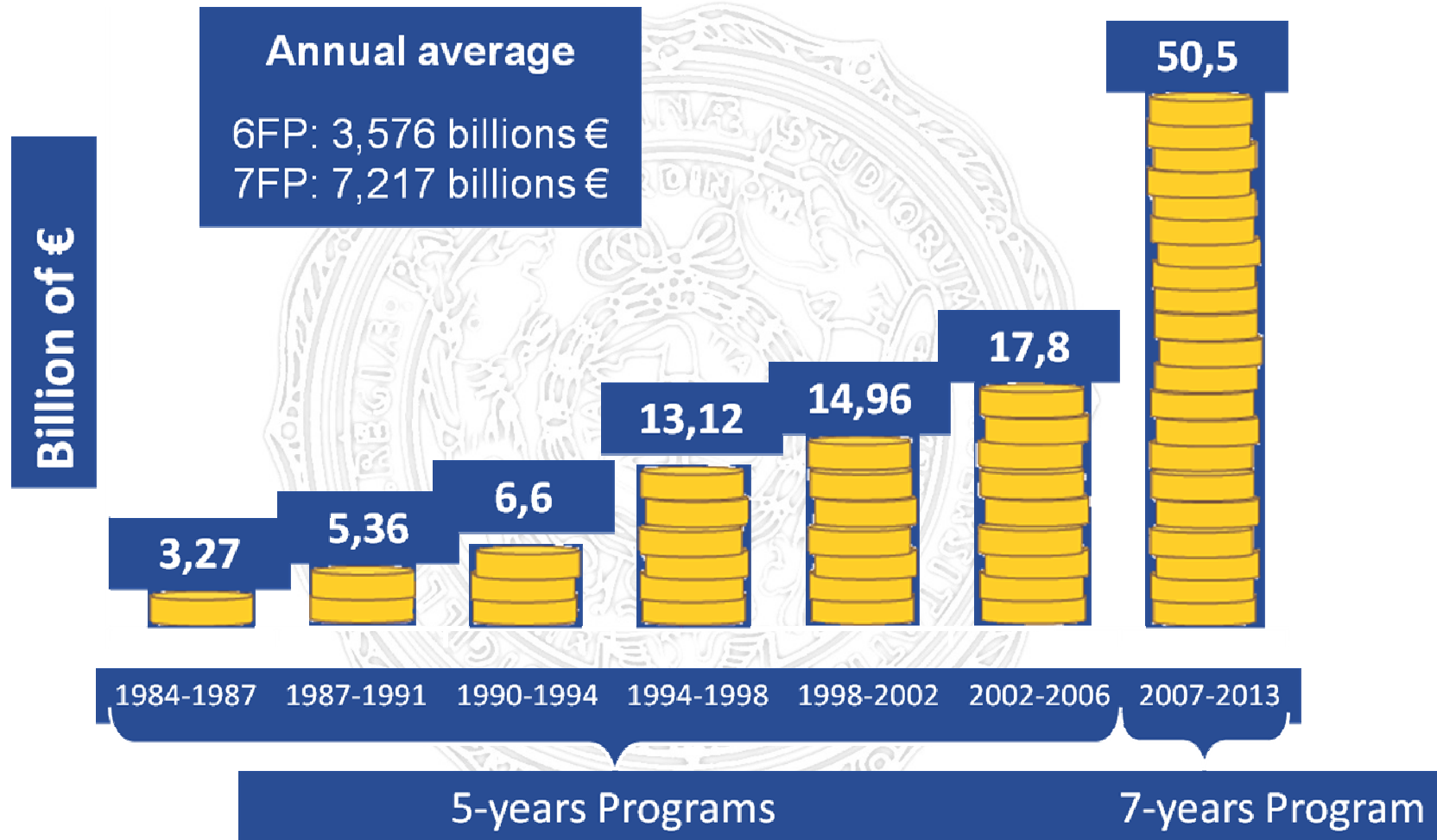
Data on R&D Investment (%of GPD)

Within UE: Sweden: 3,74%; Finland: 3,51%;
Denmark: 2,63%; Germany: 2,49%; France: 2,2%;
UK: 1,9%; ...; **Italy: 1,14%**;; Cyprus: 0,37%;
Malta: 0,29%.

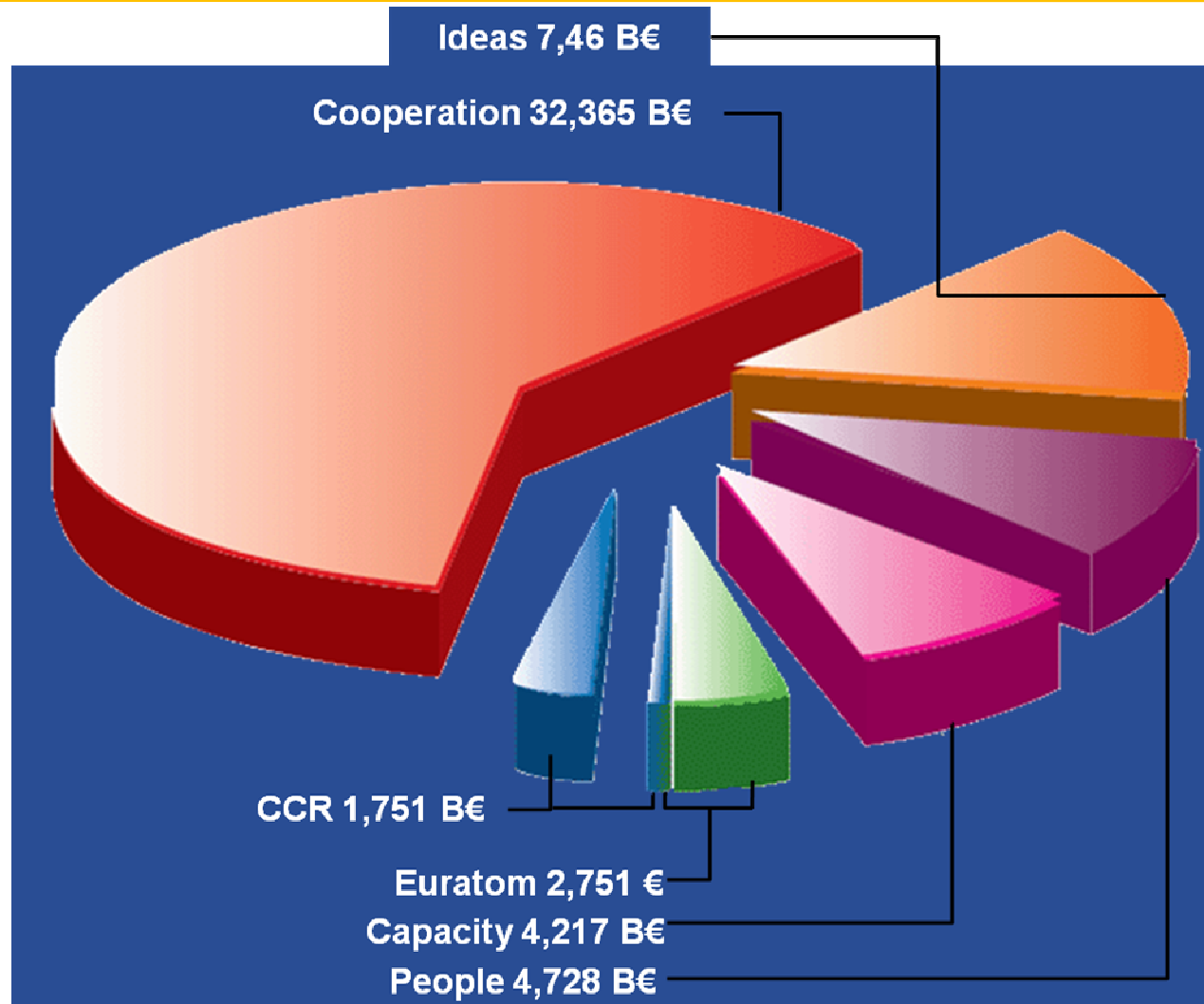
- ✓ In this discouraging context some interesting opportunities for young researchers are provided by the European Union's 7th Research Framework Program (FP7) and in particular by the **Ideas Program**.



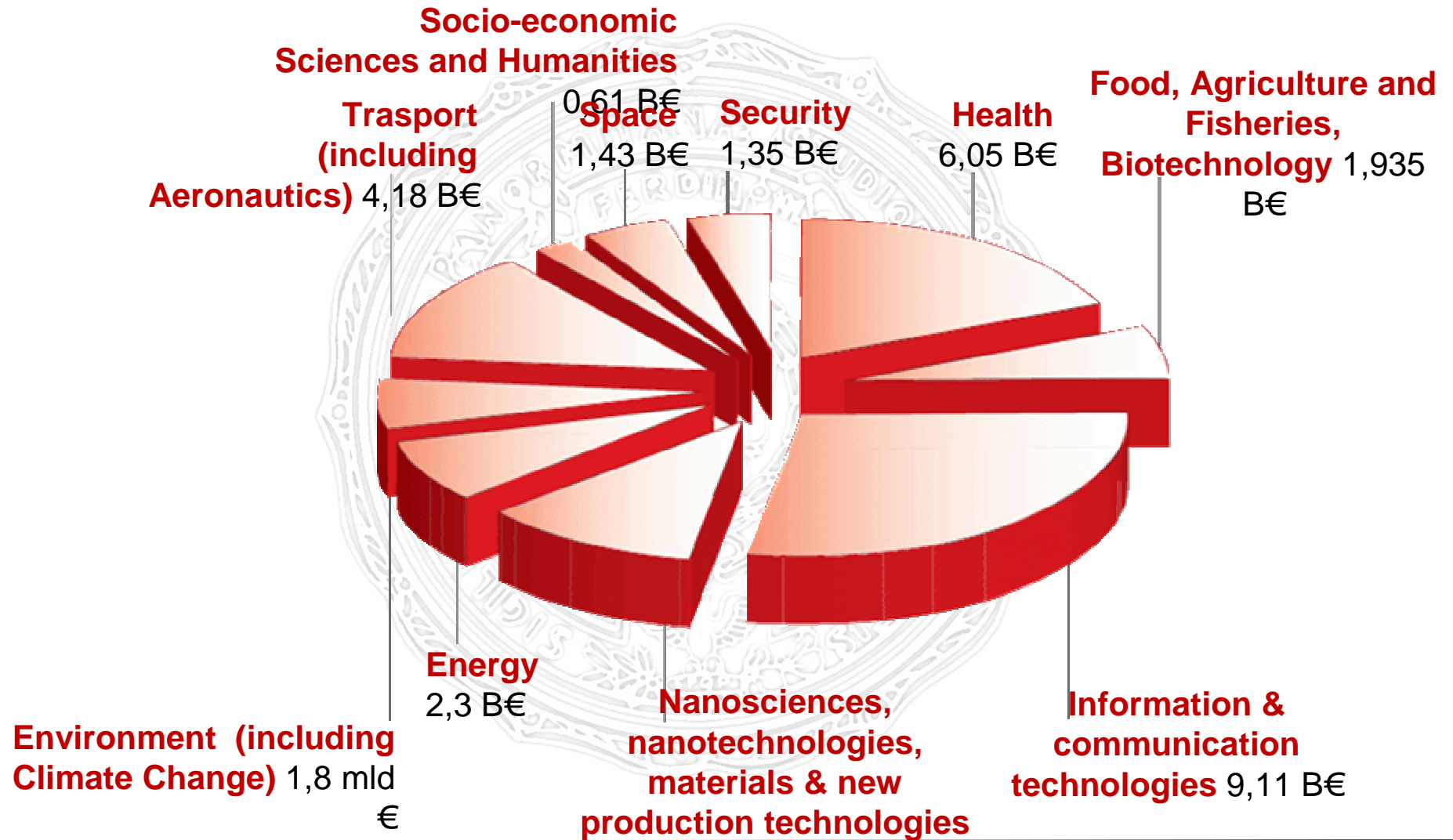
7 Research Framework Program



7 Research Framework Program



7 FP - Cooperation



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7 FP - Ideas



- ✓ A flagship component of the Ideas Program is the **European Research Council (ERC)**, the first European funding body set up to support investigator-driven frontier research.
- ✓ Its main aim is in fact to stimulate scientific excellence by supporting and encouraging the very best, truly creative scientists, scholars and engineers to be adventurous and take risks in their research.

7 FP - Ideas

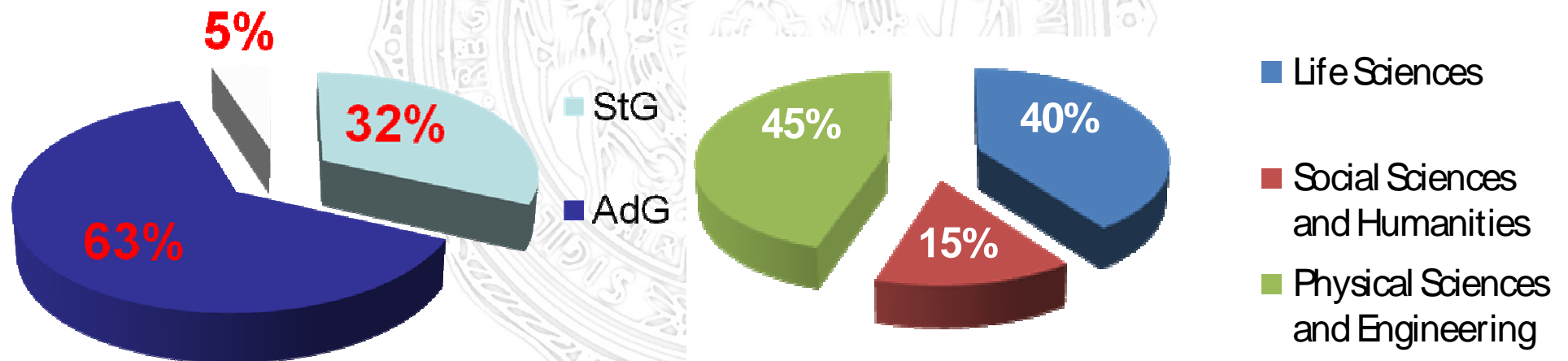


- ✓ ERC approach is investigator-driven, or bottom-up in nature: it allows researchers to identify new opportunities and directions in any field of research, rather than being led by priorities set by politicians.
- ✓ All the areas are covered from ERC, ranging from Life Sciences to Physical Sciences & Engineering and to Social Sciences & Humanities.
- ✓ ERC grants are awarded through open competition to projects headed by starting and established researchers, irrespective of their origins, who are working or moving to work in Europe: **the sole criterion for selection is scientific excellence.**

Two main tools:

Starting independent researcher grant

Advanced investigator researcher grant



Funds distribution for grants type and research area

7 FP - Ideas



ERC Starting Grant in brief:

- ✓ Supports early-career top research leaders who are about to establish or consolidate a proper research team and to start conducting independent research in Europe.
- ✓ Funds pioneering frontier research in any field. Interdisciplinarity is encouraged.
- ✓ Candidates must have a certain number of years of experience after their PhD. In the last call (results Sept 2009) 3-8 years required; in the current call: **2-10** years required, with segmentation **2-6** and **6-10** to attract more candidates who are in the very early stages of their research careers.
- ✓ **Funding: up to € 2.0 million per grant for up to 5 years**

7 FP - Ideas



ERC Advanced Grant in brief:

- ✓ Supports the very best established research leaders in Europe.
 - ✓ Funds pioneering frontier research in any field.
- Interdisciplinarity is encouraged.
- ✓ **Funding: up to € 3.5 million per grant for up to 5 years.**

CALLS AND DEADLINES

CALL	DEADLINE	STATUS	PARTICIPANTS UNIPA
ERC-2010-StG_Physical Sciences & Engineering	28/10/2009	closed	7
ERC-2010-StG_Life Sciences	18/11/2009	closed	-
ERC-2010-StG_Social Sciences & Humanities	09/12/2009	closed	2
ERC-2010-AdG_Physical Sciences & Engineering	24/02/2010	closed	5
ERC-2010-AdG_Life Sciences	17/03/2010	closed	2
ERC-2010-AdG_Social Sciences & Humanities	07/04/2010	open	