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TEMPUS-Project KISEK: Cooperation and research in the field of ICT and software development

Forschungsreferat / EU

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Forschungsreferat / EU
Universität Paderborn
25.11.2008

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SEVENTH FRAMEWORK PROGRAMME

7 th Framework Programme for Research and Technological Development

- -

FP7

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What is FP7

- Main financial tool through which European Union supports research and development activities (2007-2013)
- Lisbon Strategy (2000): making the European Union (EU) the most competitive economy in the world and achieving full employment by 2010
- Transition to a competitive, dynamic, knowledge-based economy.
- Emphasis: adapt constantly to changes in the information society and to boost research and development
- Funding based on political priorities of EU and application oriented
- Research should support policy and help to solve industrial, technical, economic and social problems

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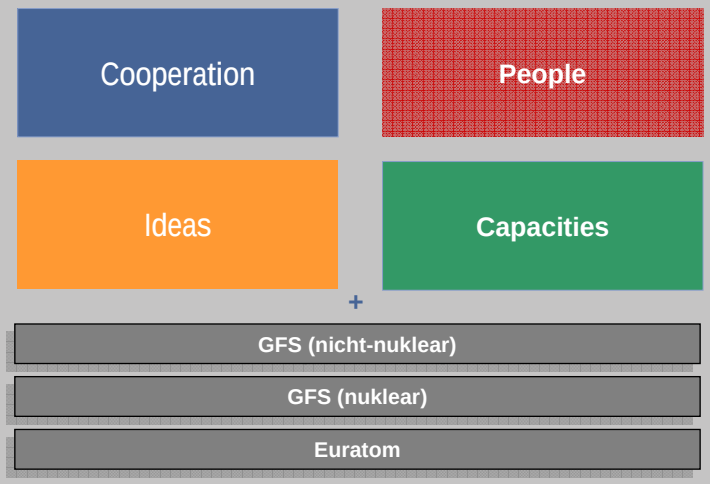
Structure of FP7



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Contents of FP7

Cooperation	10 Themes
People	Marie Curie: Mobility and Career advancement
Ideas	European Research Council
Capacities	e.g. Infrastructures, SME-Cooperation

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Results from FP6 in Croatia

- Croatia participated in the FP6 from beginning in 2002, but only from January 1, 2006 as associated country
- 678 project proposals with Croatian partners
- 110 contracts
- Total EU contribution to Croatia: 10,2 mil. EUR
- Average success rate 16,2%
- EU contribution to the budget of Croatian partners 7.000 –270.000 € /project
- At present only two Projects in FP7 coordinated by Croatian Partners

- http://cordis.europa.eu/fetch?CALLER=MSS_HR_NEWS_HOME_EN&ACTION=R

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Themes in FP7

Cooperation

10 Themes		Budget FP7 (Mio. Euro)
1) Health		6.0
2) Food, Agriculture, Biotech		1.9
3) Information and Communication Technologies (ICT)		9.1
4) Nanotech, Materials, Processes		3.5
5) Energy		2.3
6) Environment		1.9
7) Transport (incl. Air transport and Galileo)		4.2
8) Socio-economic Sciences and the Humanities		0.6
9) Space		1.4
10) Security		1.4
++ Nuclear research, EURATOM		2.7

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Challenges 2009 in Information and Communication Technologies (ICT)

- Challenge 1: Pervasive and Trusted Network and Service Infrastructures
- Challenge 2: Cognitive systems, interaction, robotics
- Challenge 3: Components, systems, engineering
- Challenge 4: Digital Libraries and Content
- Challenge 5: Towards sustainable and personalised healthcare
- Challenge 6: ICT for mobility, environmental sustainability and energy efficiency
- Challenge 7: ICT for independent living, inclusion and participatory governance
- Future and emerging technologies

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Topics 2009 – Some Examples for Topics called

- Future Internet Architectures and Network Technologies
- Technology and Tools for Trustworthy ICT
- Artificial cognitive systems
- Self-learning machine translation systems
- New semiconductor manufacturing approaches, processes and tools
- Improved design platforms, interfaces, methods and tools
- Theory and novel methods for embedded system design
- Photonics technologies, components and (sub)systems
- Autonomous energy efficient smart systems
- ICT for environmental sustainability and climate change adaptation
- ICT-based systems and services for Smart Urban Mobility and new Mobility Concepts

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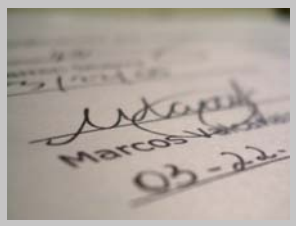
How does it work?

- Calls for Proposals
- Publication and Deadline
  - Publication once a year
  - Deadline 3-4 months after call publication
- Procedure
  - One step or two step app. process
  - Electronic proposal submission system
  - Conditions for participation
  - min. 3 independend Partners
  - min. 3 different countries (MS or AC) - Croatia is an AC!
- Other countries can participate under certain conditions
- What kind of project?
  - CP small (IP) / CP large (STREP) / NoE / CA



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Typical projects (Data from FP6)

Instrument	EU-Contiribution	Duration	Optimal Size
CP Small (IP)	€ 10 Mio (€ 4-25Mio.)	36-60 Months	10-20 Partners
CP Large (STREP)	€ 1.9 Mio (€ 0.8-3Mio.)	18-39 Months	6-15 Partners
NoE	€ 7 Mio (€ 4-15Mio.)	48-60 Months	6-12 Partners
CA	€ 1 Mio (€ 0.5-1.2Mio.)	18-36 Months	13-26 Partners
SSA	€ 0.5 Mio (€ 0.03-1Mio.)	9-30 Months	1-15 Partners

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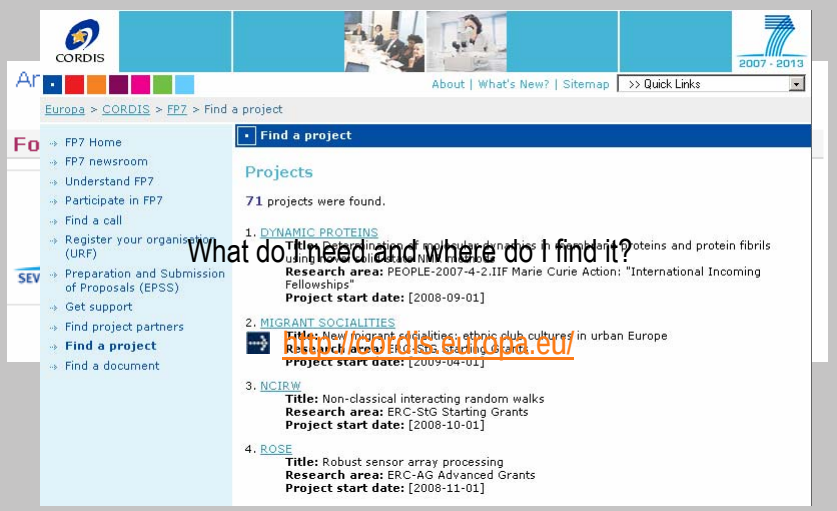
Where to start?

What do I need and where do I find it?



http://cordis.europa.eu/

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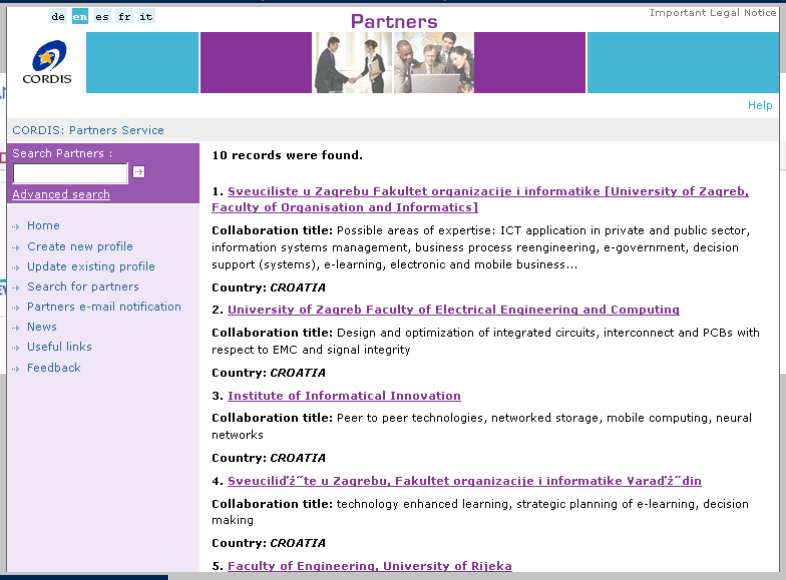
Where to start? http://cordis.europa.eu/



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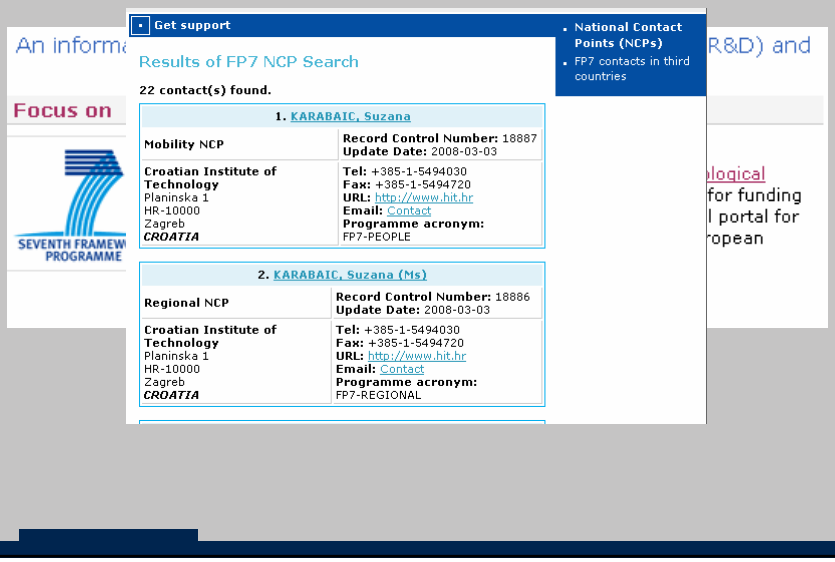
Where to start? http://cordis.europa.eu/



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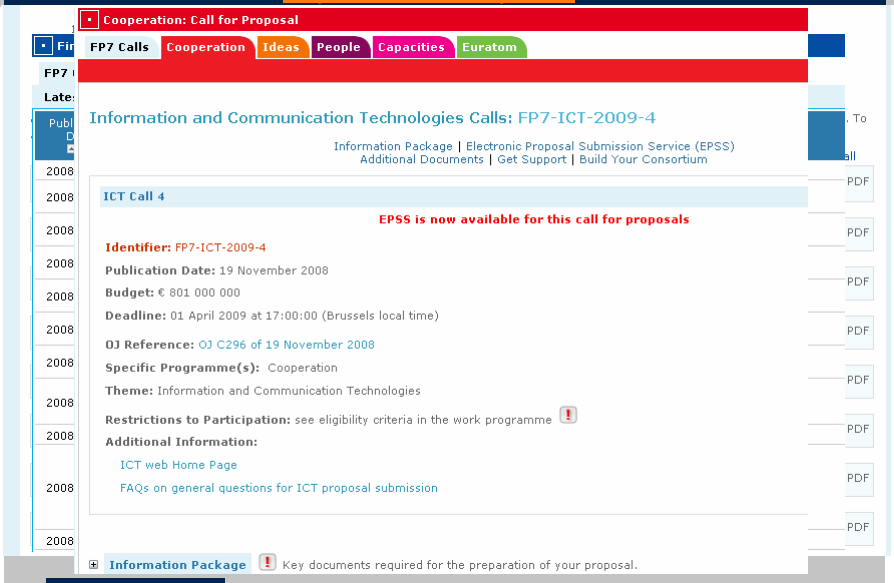
Where to start? http://cordis.europa.eu/



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Important Documents

Absolutely necessary Documents

- Call for Proposals
- Specific Work Programme
- Call Fiche
- Guide for Applicants

Additional useful Documents

- Guidelines on Proposal Evaluation and Selection Procedures
- Guidance Notes for Evaluators (Annex II)
- Model contract
- Financial Guidelines
- Negotiation Guidelines
- Backgroundpapers and political Info on Instruments

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What else is important?

- Informationen on FP7: http://cordis.europa.eu/
- Information on EU-Policy: http://europa.eu/

- Stick to Guidelines! (Budget headings, Ceilings, Forms etc.)
- Evaluation Criteria
  - Scientific and technological quality (S/T Quality)
  - Implementation
  - Impact
  - Others *(see Guide)*
- Dead Lines - Stick to the Rules!
- Keep more than only scientific objectives in mind!

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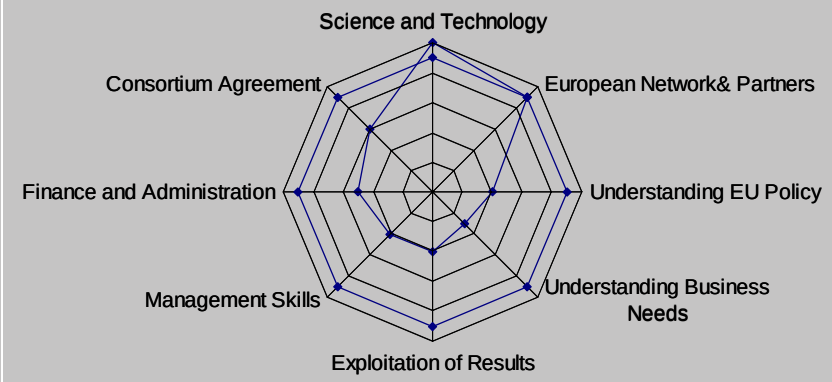
The typical proposal



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Evaluation Criteria

	1. Scientific and/or technological excellence *(relevant to the topics addressed by the call)* (award)	2. Quality and efficiency of the implementation and the management (selection)	3. The potential impact through the development, dissemination and use of project results (award)
All funding schemes	• *Soundness of concept, and quality of objectives*	• Appropriateness of the management structure and procedures • Quality and relevant experience of the individual participants	• *Contribution, at the European [and/or international] level, to the expected impacts listed in the work programme under relevant topic/activity*
Collaborative projects	• *Progress beyond the state-of-the-art* • Quality and effectiveness of the S/T methodology and associated work plan	• Quality of the consortium as a whole (including complementarity, balance) • Appropriateness of the allocation and justification of the resources to be committed (budget, staff, equipment)	• Appropriateness of measures for the dissemination and/or exploitation of project results, and management of intellectual property.

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Important Questions

What is your project about?
- What problems are you trying to solve?
- Is it a European priority (or national)?
- Is the solution already availible?
- Why now? What would happen if we did not do this now?
- Why you???

How do you implement the project?
- Do the partners fit? Do they complement each other?
- Do you know your partners?
- Do you have the resources to deliver?
- Do you understand the rules or is there somebody in the consortium who does?

What is the Impact of your project?
- What will come out of the Project (Results?)
- Who wants these results
- Why do they want the results?
- How do you plan to tell the „User“ about the results?

What is evaluated?

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National Contact Points - NCPs

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