

FP7/ICT & Lessons Learned

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- **Why FP7?**
- **Lessons Learned**

- **Science & Technology not a luxury of development, but necessary condition**
- **S&T partnerships key driver of success**
- **Success breeds success**

- **Govt focus on S&T partnerships that makes science work locally and globally**
 - Linkages: e.g. NEPAD Consolidated Plan of Action

- **Part of a portfolio to do better science for our own development**

■ **All about knowledge**

- Who you know
- Who knows you
- What you know
- When you know
- Where you know

■ All about knowledge

➤ Who you know

- Consortia key – building networks
- Commission very supportive
- Personal contact matters
- NCP networks – here and in EU

■ All about knowledge

➤ Who you know

➤ Who knows you

- Consortia again – do our EU colleagues know us?
- Awareness of international dimensions of FP in IST lower than expected both here and in EU
- NCP networks – here and in EU
- EuroAfrica-ICT

■ All about knowledge

- Who you know
- Who knows you
- What you know
- - Know what the call is about – WORK PROGRAMME, CALL TEXT
 - Know what is the “state of the art” – Work Programme Pages (CORDIS)
 - Excellence key – exist, but need to create awareness
 - Need for strategic fit – national, institutional
 - Quality of proposals

■ All about knowledge

- Who you know
- Who knows you
- What you know
- When you know
 - Long lead times
 - Solicit Governmental support (e.g. DST Seed funding)
 - Need for strategic fit
 - Personal networks

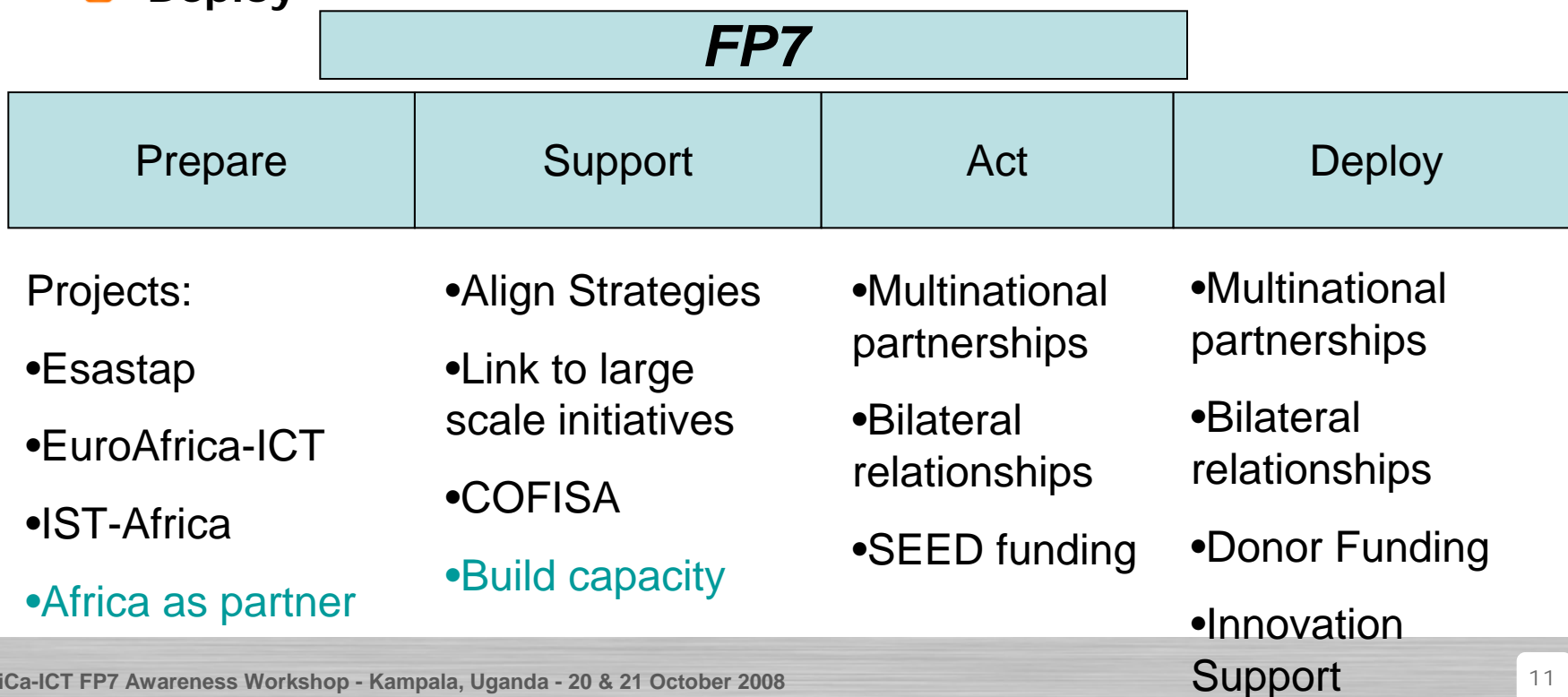
■ All about knowledge

- Who you know
- Who knows you
- What you know
- When you know
- Where you know
 - Leader on xyz – make it known
 - IST here the same as in EU, the same as in Samoa – no differentiation in current programme
 - Portfolio approach
 - Where is my project situated (R&D-wise)

- **Same challenges as new member states**
 - IST4BALT-like initiatives to grow knowledge
- **Knowledge walks on two legs – people as integrators**
 - Exchanges
 - “Old” friends
 - ASK!
- **Consortia integration often difficult**

Opportunities & Approach

- Prepare
- Support
- Act
- Deploy



Opportunities & Approach

- 2006 Germany – 2008 Beijing – 2010 SA
- GEOSS
- SKA
- e-Infrastructures
- Multinational partnerships (e.g. SAP)
- Bi-lateral opportunities (e.g. SAFIPA)

- World in a country, world in a continent – excellent mix of needs/solutions, similar contexts, living labs
- Nuanced problems – similar solutions

- Read the Work Programme www.cordis.europa.eu/fp7
- Find a call
- Find a partner
- Organisational description, CVs short
- Demonstrate your value to the consortium
- Understand and answer the questions in the call!
- Prepare proposal abstract
- Develop scenarios,
- Develop a work package – become a WP leader
- Indicate costs – Direct man-month and Indirect costs
- Complete form A2 online
- Proposal Part B online

- Collaborative projects CP
 - Small (STREP) (small or medium scale focused research action)
 - New knowledge, products, technologies
 - Demonstration, prototype
 - PM activities e.g. protection of knowledge, exploitation
 - EU3 – 3.5m, 2 – 3 years
 - SMEs, RI, Universities, 3 consortium EU
 - Large scale (IP)
 - New knowledge, products, technologies
 - For research, demonstration, prototype, technology transfer, training, dissemination, KM and exploitation
 - EU4 – 12 m, 2 – 5 years
 - SMEs, RI, Universities, 3 consortium EU

- Networks of Excellence
 - Consolidate EU research
 - Excellence , integrating activities, tools, training
 - EU4 – 7 m, 4 – 5 years, 3 – 7 consortium
 - RI, Universities
- Co-ordination and Support CSA and SSA
 - No research, but conferences, studies, personnel
 - EU0.3 – 2, 1 – 4 years, 3 consortium
 - RI, Universities, SMEs
- SICA – ICPC Targeted regions: ACP and Mediterranean
 - **Partner Countries**. Funding scheme: **Collaborative projects**
 - **(Small or medium-scale focused research projects)**.

Further detail on process and programme

- **Thank you**
- **Part II – in more detail**

Further detail on process and programme

- Why submitting a project proposal to the EC?
- What kind of project proposals can be submitted?
- What is a call for proposals (overview / ICT calls 1 to 3)
- Types & characteristics of eligible projects (overview / in detail)
- Evaluation Criteria
- FP7 participating countries
- Minimum conditions for participation in FP7
- Eligibility for funding
- Risk avoidance mechanism
- Project proposal selection procedure
- From the project proposal to the selected project
- How to get involved in a project proposal?
- How to prepare a good project proposal?
- Useful links

Why submitting a project proposal to the EC?

- Not only because the proposal - if selected - will be (partially) funded by the EC
 - A grant of 50 to 100% is allocated
(depending on the nature of the project, the type of the organisation, etc.)
 - With no rights claimed by the EC
(in terms of research results, IPRs, payback scheme, etc.)

- But (first & foremost...) because FP7 is an opportunity for any organisation to
 - Improve its knowledge
(FP7 vision, cooperation framework, planned roadmap, ongoing activities, information, tools, etc.)
 - Benefit from a true collaborative (international) programme / project
(contacts, sharing of knowledge & experience, finding complementary skills, etc.)
 - Enhance its image through key references



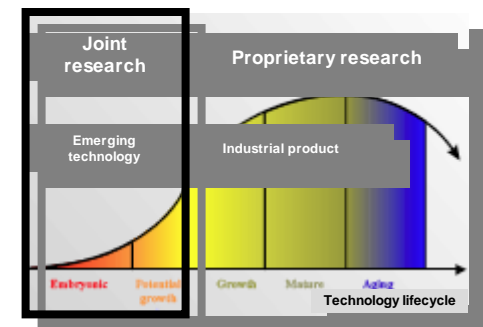
What kind of project proposals can be submitted?

- A highly innovative R&D project
 - It is R&D (except CSAs)
 - It is not support to deployment nor to commercial initiatives for instance
 - And it is very competitive!
(most proposed projects are of high quality and only few are selected!)

- Only collaborative projects
 - The basic idea is to encourage organisations from EU countries (& from third countries) to join their forces
(a typical rule of participation is “at least 3 independent legal entities from 3 different Member States or Associated Countries”)

- Projects answering the specification of FP7 Calls
 - Proposals can be submitted only in response to Calls for proposals & have to strictly answer the specification of the Calls
(specific rules for participation, addressed ICT areas, expected project outcomes, foreseen budget per type of project - IP, STREP, SICA, etc.)

Type of research funded under FP7



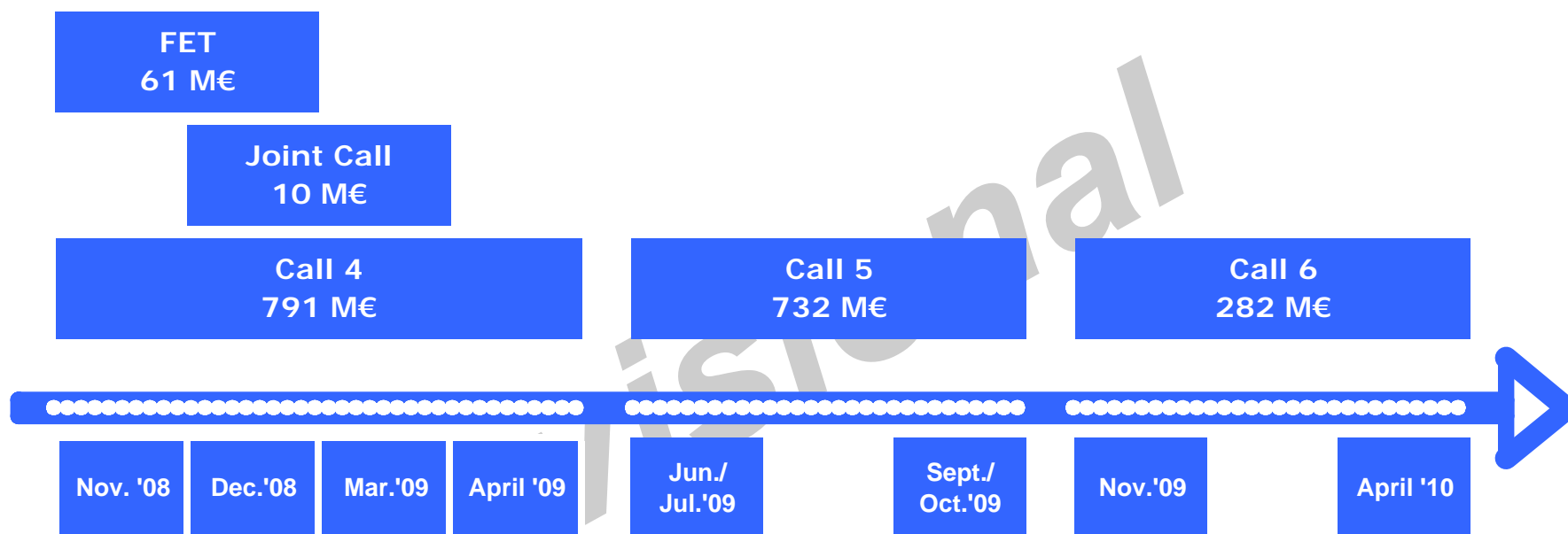
What is a Call for Proposals?

- FP7 is implemented through periodic Calls (for proposals)
 - Two to three per year on average

- Again: these Calls are very competitive!
 - Only the best proposals can be funded (50% to 100% of project total costs)

- The evaluation of received proposals is quickly performed by independent experts on clear evaluation criteria
 - Contracts can typically be signed 4 to 6 months after the Call closure date

What is a Call for Proposals? - ICT Calls 4 to 6



What is a Call for Proposals? - ICT Calls 4 to 6

	Call 4	Call 5	Call 6	FET Open	Joint Call		Call 4	Call 5	Call 6	FET Open	Joint Call
Challenge 1: Pervasive and trusted network and service infrastructures						Challenge 5: Towards sustainable and personalised healthcare					
1. The network of the future	110	80				1. Personal Health Systems	63				
2. Internet of Services, Software & Virtualisation		110				2. ICT for Patient Safety	30				
3. Internet of things and enterprise environments		37				3. Virtual physiological human			63		
4. Trustworthy ICT		90				4. International Cooperation on Virtual Physiological Human	5				
5. Networked media & 3D Internet	80					Challenge 6: ICT for Mobility, environmental Sustainability & Energy Efficiency					
6. Future Internet Experimental Facility & Experimentally-driven Research		50				1. ICT for Safety and Energy Efficiency in Mobility	53				
Challenge 2: Cognitive systems, interaction, robotics						2. ICT for Mobility of the Future			37		
1. Cognitive systems and Robotic Systems	73		80			3. ICT for Energy Efficiency	30				
2. Language-based interaction	26					4. ICT for Environmental Services & Climate Change Adaptation	24				
Challenge 3: Components, systems, engineering						5. Novel ICT solutions for Smart Electricity Distribution Networks (Joint Call ICT-Energy)					10
1. Nanoelectronics Technology		35				Challenge 7: ICT for independent living, inclusion & Participatory governance					
2. Design of Semiconductor Components and Electronic-based Miniaturised Systems	25					1. ICT and ageing	24				
3. Flexible, Organic and Large Area Electronics	60					2. Accessible and Assistive ICT	34				
4. Embedded systems design	28					3. ICT for Governance and Policy Modelling	15				
5. Engineering of Networked Monitoring and Control Systems		32				Future and emerging technologies					
6. Computing Systems	25					FET-Open					61
7. Photonics	10	50				FET-Proactive	39	39	32		
8. Organic Photonics and other Disruptive Photonics Technologies	30					Horizontal actions					
9. Microsystems and Smart Miniaturised Systems		80				1. International Cooperation	7		5		
Challenge 4: Digital libraries and content						2. Supplements to support International Cooperation between ongoing projects	0,7		0,6		
1. Digital libraries and preservation			69			3. General Accompanying Measures	4				
2. Technology enhanced learning		49				4. Strengthening cooperation in ICT R&D in an enlarged Europe	5				
3. Intelligent Information management		70									

Types & characteristics of eligible projects - Overview

- 3 funding schemes / 6 instruments

Project type		Aim	Number of partners	Project duration	EC contribution
	Integrated project (IP)	Large scale integrating research project	10 to 20	36 to 60 months	4 to 25 M€
	Specific Targeted Research Project (STREP)	Small or medium scale focused research project	6 to 15	18 to 36 months	1 to 4 M€
	Specific International Cooperation Action (SICA)	R&D project with developing countries or emerging economies (ICPC)	<i>SICAs did not exist under FP6</i>		
Network of Excellence (NOE)		Integration of research activities and capacities	6 to 12	48 to 60 months	4 to 10 M€
	Coordination or Networking Action (CA)	Coordination of research activities and policies	13 to 26	18 to 36 months	0,5 to 2 M€
	Specific Support Action (SSA)	Support to research activities and policies	1 to 15	9 to 30 months	0,03 to 3 M€

NB: This table is only indicative and presents average characteristics of FP6 projects

Types & characteristics of eligible projects - In detail

- **Collaborative Projects (CPs)**
 - Research projects
 - Research aiming at developing new knowledge/technology/products + demonstration activities + common resources for research
 - **IPs:** ambitious (large scale projects) objective driven research with a “programme approach”
 - **STREPs:** objective driven research more limited in scope than IPs (small to medium size scale projects) / focused projects (targeting a specific objective)
 - **SICAs:** R&D projects with developing countries or emerging economies (ICPC)

- **Networks of Excellence (NoEs)**
 - Instruments to overcome the fragmentation of the European research landscape in a given area and remove the barriers to integration
 - Joint programmes for long term cooperation
 - Integration of research activities & capacities
 - Activities to spread the excellence

- **Coordination & Support Actions (CSAs)**
 - Promote & support the ad hoc networking and coordination of research & innovation activities
 - Support to the programme implementation, preparation of future actions, dissemination of results, exchange of information
 - **CAs:** coordination of research activities (events / studies / expert groups / coordination of joint initiatives / dissemination of good practice, etc.)
 - **SAs:** support to research activities and policies (designed to underpin the implementation of the EC FPs) (events / WG / monitoring / fact findings / feasibility studies / awards / operational support / data dissemination / etc.)

- 27 EU Member States (MS)
Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, Netherlands, Spain, Sweden, Portugal, United Kingdom, Cyprus, Czech Republic, Estonia, Hungary, Latvia, Lithuania, Malta, Poland, Slovakia, Slovenia, Bulgaria, Romania
- 3 Associated Candidate Countries (ACC or AC)
Croatia, Turkey, Macedonia (FYROM)
- 6 Associated States (AS)
Iceland, Israel, Liechtenstein, Norway, Serbia and Switzerland
- ICPC target countries (emerging* & developing countries)
Countries neighbouring the EU: **North Africa / Western Balkans / Eastern Europe / Central Asia**
Developing countries: **ACP (Africa, Caribbean, Pacific) / Asia (except Japan, Taiwan, Singapore, SK) / Latin America**
Emerging Economies: **China / Brazil / India / Russia / South Africa / Etc.**

Other “third” countries (USA, Canada, Japan, Australia, Singapore, South Korea, etc.) are considered as industrialised countries & funded only exceptionally (if essential for carrying out the action / if specified in the WP or a SP / in case of bilateral S&T agreements)

Minimum conditions for participation

■ General

- At least **3 independent legal entities from 3 different EU Member States (MS) or Associated Countries (AC)** (provided this minimum has been achieved, any number of additional participants from other countries can be included)
- JRCs can participate & are deemed to be from a different MS or AC (same principles for international European interest organisations & entities established under Community law)
- Additional conditions can be established by the work- or specific programmes (e.g. number/type of participant, place of establishment, etc.)
- Sole participants composed of members that meet the criteria above can participate



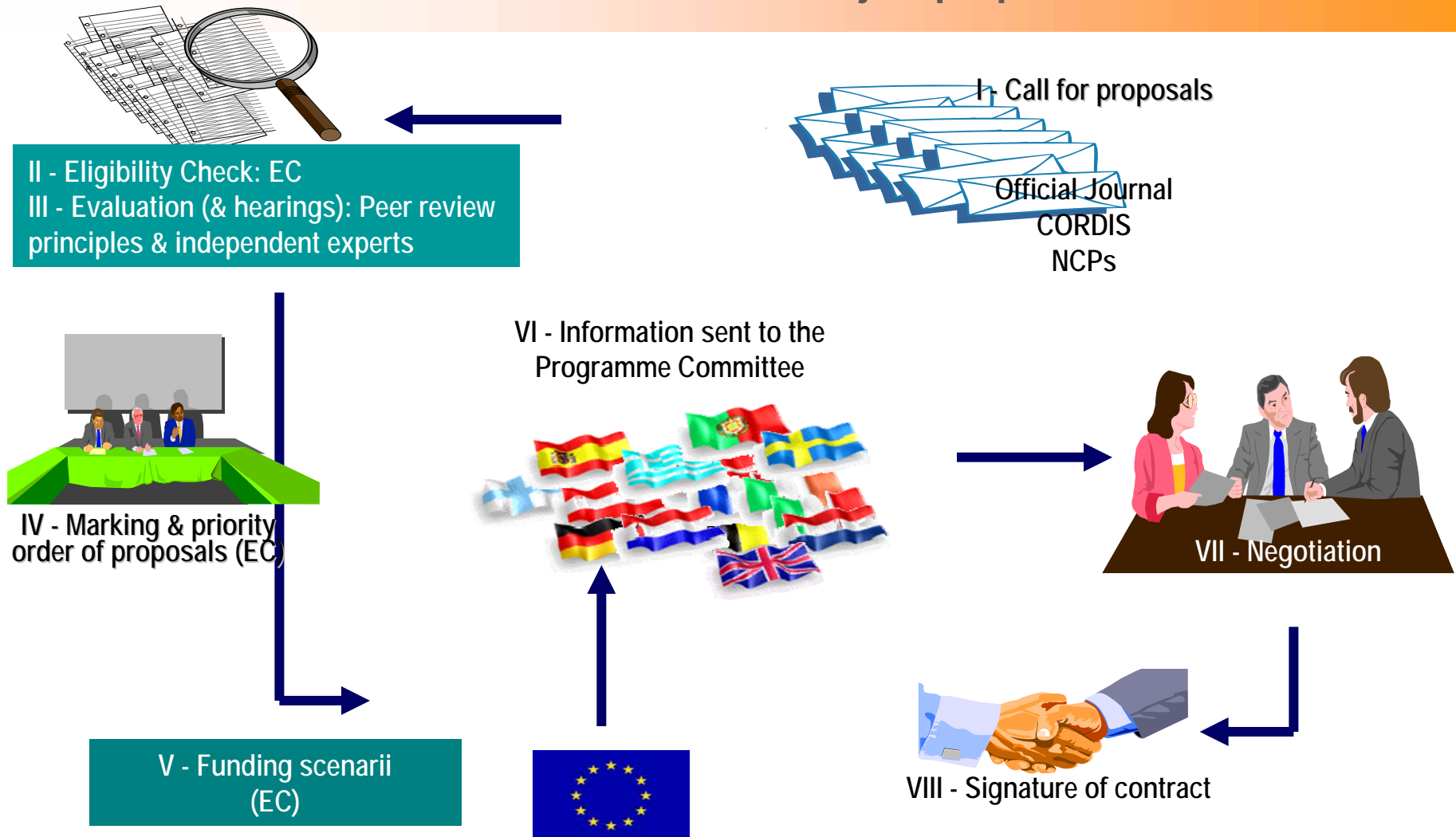
■ Specific

- Coordination & support actions (CSA): **minimum of 1 legal entity**
- Collaborative projects for specific cooperation actions dedicated to international cooperation with partner countries (ICPC) identified in WP (SICAs): **min. 4 participants (2 in different MS or AC + 2 in different ICPC countries unless specified in WP)**
- Participation of international organisations & participants from third countries if in addition to minima

- Legal entities from MS and AC **or created under Community law (and JRC)**
- International European interest organisations
- **Legal entities established in international cooperation partner countries (ICPC)**
- **International organisations, legal entities established in third countries other than ICPC, if provided for in SP or WP; or essential for carrying out action; or provision for funding is provided for in a S&T bilateral agreement between the EU & the third country**

- No collective financial responsibility
- **Commission establishes & operates a participant guarantee fund (contribution to guarantee fund = max. 5% of the EC contribution by each participant, to be returned at the end of the project)**
- **If interests generated not sufficient to cover sums due to EC, retention of max. 1% of EC contribution**
- **Exemption of retention for public bodies, higher and secondary education establishments, legal entities guaranteed by a MS/AC**

Project proposal Selection Procedure



From the project proposal to the selected project



■ **Submission**

- To be made electronically through a set of documents respecting detailed templates & guidelines, and... in time (strict deadlines!)

■ **Evaluation**

- A fair, transparent & relatively quick process (2-3 months) involving independent experts working on the basis of the Call documents and of (public) selection criteria

■ **Negotiation**

- If the proposal is pre-selected, the proposers & the EC work together on the possibility to transform the proposal into a project, on the basis of evaluators' remarks & comments

■ **Contract**

- (if the negotiation phase is successful) Can be signed between the EC & the project coordinator as soon as 4 to 6 months after the submission deadline

■ **Project**

- The project can then smoothly develop on the basis of a "Description of Work" (DoW) & of the "Contract and its annexes" (administrative & financial issues)
- its progress will be reviewed by the EC every 6-12 months

How to get involved in project proposals?



- If you have a project in mind
 - Read into detail all documents related to the Call you are targeting (WP, call details, selection criteria, etc.) to check how your project can fit in and if it fits, go!
 - Develop your vision into detail
 - Identify & motivate potential partners bringing targeted skills
 - Investigate FP6 & FP7 information to refine the project objectives & the partnership
 - Attend the pre-Call Information days organised by the EC (& ETP events for instance) to better position your proposal & establish contacts

- If you want to be involved in projects under construction
 - Contact the organisations you already know & who may submit proposals. Ask for their support!
 - Attend pre-Call events & investigate FP6-FP7 information to identify the projects in which your skills could be useful, & the organisations preparing proposals you could contact

- In both cases, be ready to invest!
 - Driving a good proposal or convincing a third party to take you on board a proposal requires a lot of time and efforts but... is worthwhile!



■ **Scientific & technical quality**

- Soundness of concept, quality of objectives (ALL instruments)
- Progress beyond the state-of-the-art (CP)
- Contribution to long term integration of high quality S&T research (NoE)
- Contribution to the coordination of high quality research (CSA)
- Quality & effectiveness of the S&T methodology & associated work-plan (CP)
- Quality & effectiveness of the joint programme of activities & associated work-plan (NoE)
- Quality & effectiveness of the coordination/support action mechanisms & associated work-plan (CSA)

■ **Implementation (ALL instruments)**

- Appropriateness of the management structures & procedures
- Quality & relevant experience of the individual participants
- Quality of the consortium as a whole (complementarity, balance, etc.)
- Appropriate allocation & justification of the resources to be committed (budget, staff, equipment, etc.)

■ **Impact**

- Contribution to the expected impacts listed in the WP under the relevant activity (ALL instruments)
- Appropriateness of measures for the dissemination/exploitation of results & management of IP (CP)
- Appropriateness of measures for spreading excellence, exploiting results & disseminating knowledge through engagement with stakeholders & the public at large (NoE & CSA)

How to prepare a good project proposal?

- Make sure, all along the proposal preparation period, that the proposal answers the specification of the Call
- Watch the competition to better position your proposal
 - and be ready for alliances if appropriate
- Keep the EC informed
 - during EC events or at any time; EC contact persons are designated for each ICT area
 - and duly take into account their informal remarks...
- Make sure your proposal is of high quality
 - during the preparation process, periodically have your proposal evaluated by persons not involved in the proposal preparation; ask them to use the same background information & selection criteria the evaluators will
 - during the evaluation process the evaluators will start reading the proposal 1/2 page summary and will have to be 90% convinced after this...



- The EU's web portal (23 languages!) → <http://europa.eu/>
- The European Commission → <http://ec.europa.eu/>
- DG Information Society and Media (DG Infso) → http://ec.europa.eu/dgs/information_society/
- The International relations Unit of DG Infso → <http://cordis.europa.eu/ist/international/>
- European Technology Platforms → <http://cordis.europa.eu/technology-platforms/>
- FP7 → <http://cordis.europa.eu/fp7>
- FP7/Cooperation/ICT → http://cordis.europa.eu/fp7/cooperation/ict_en.htm
- EU's i2010 initiative → <http://ec.europa.eu/i2010>
- National Contact Points (NCP) → http://cordis.europa.eu/fp7/ncp_en.html
- FP7 contacts in 3rd countries → http://cordis.europa.eu/fp7/third-countries_en.html
- Cordis partners service → <http://cordis.europa.eu/partners-service/>
- EuroAfriCa-ICT → <http://www.euroafrica-ict.org>



No wrong expectations... It is **COMPETITION!**



Thank you for your attention! Do you have any questions?



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