FET OPEN CALL 2018

28.2.2018 | David Kolman, Austrian Research Promotion Agency

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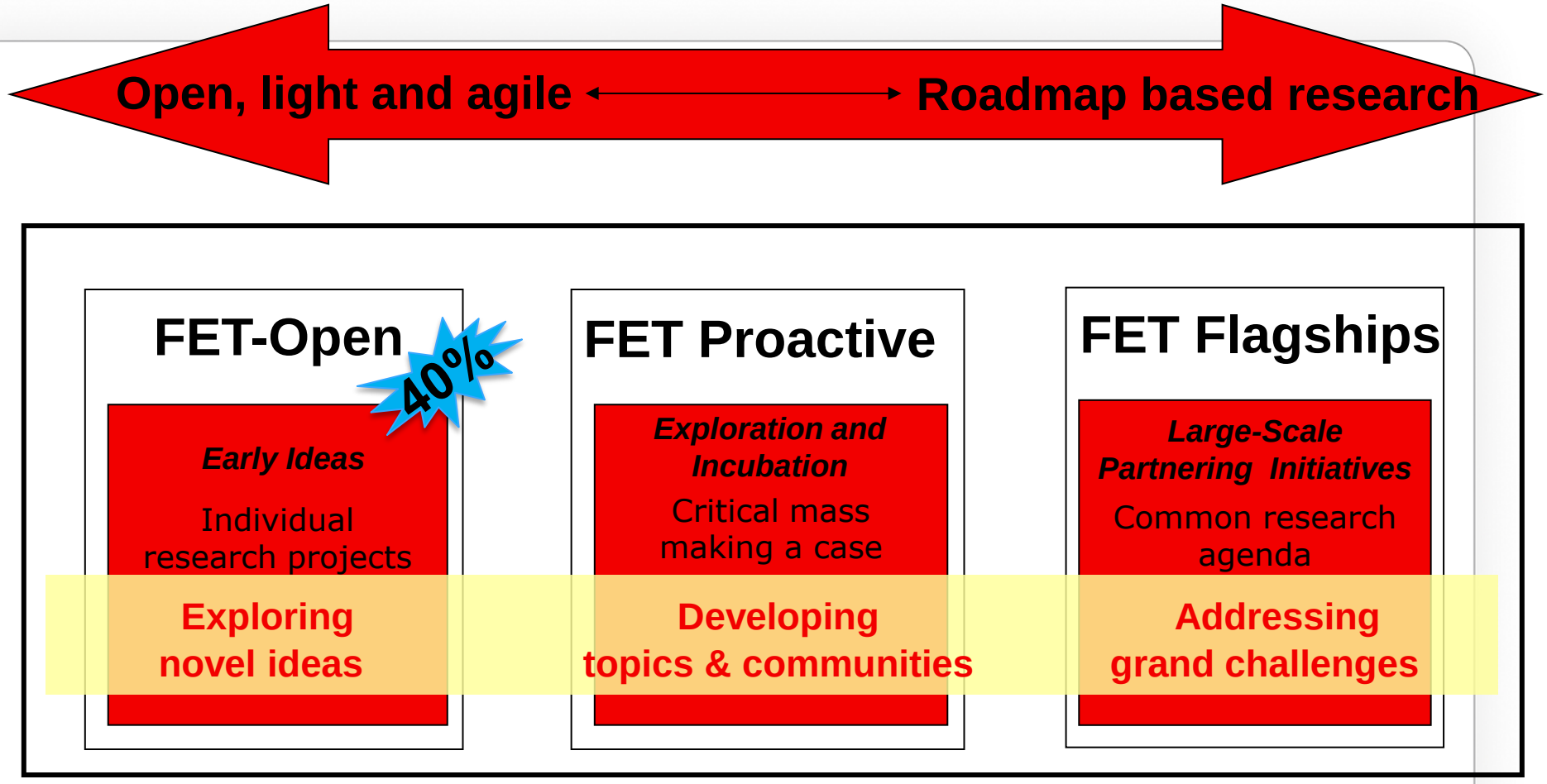
2. Inspiration from/by the past
3. Proposal Preparation
4. Tips & trics & usefull links

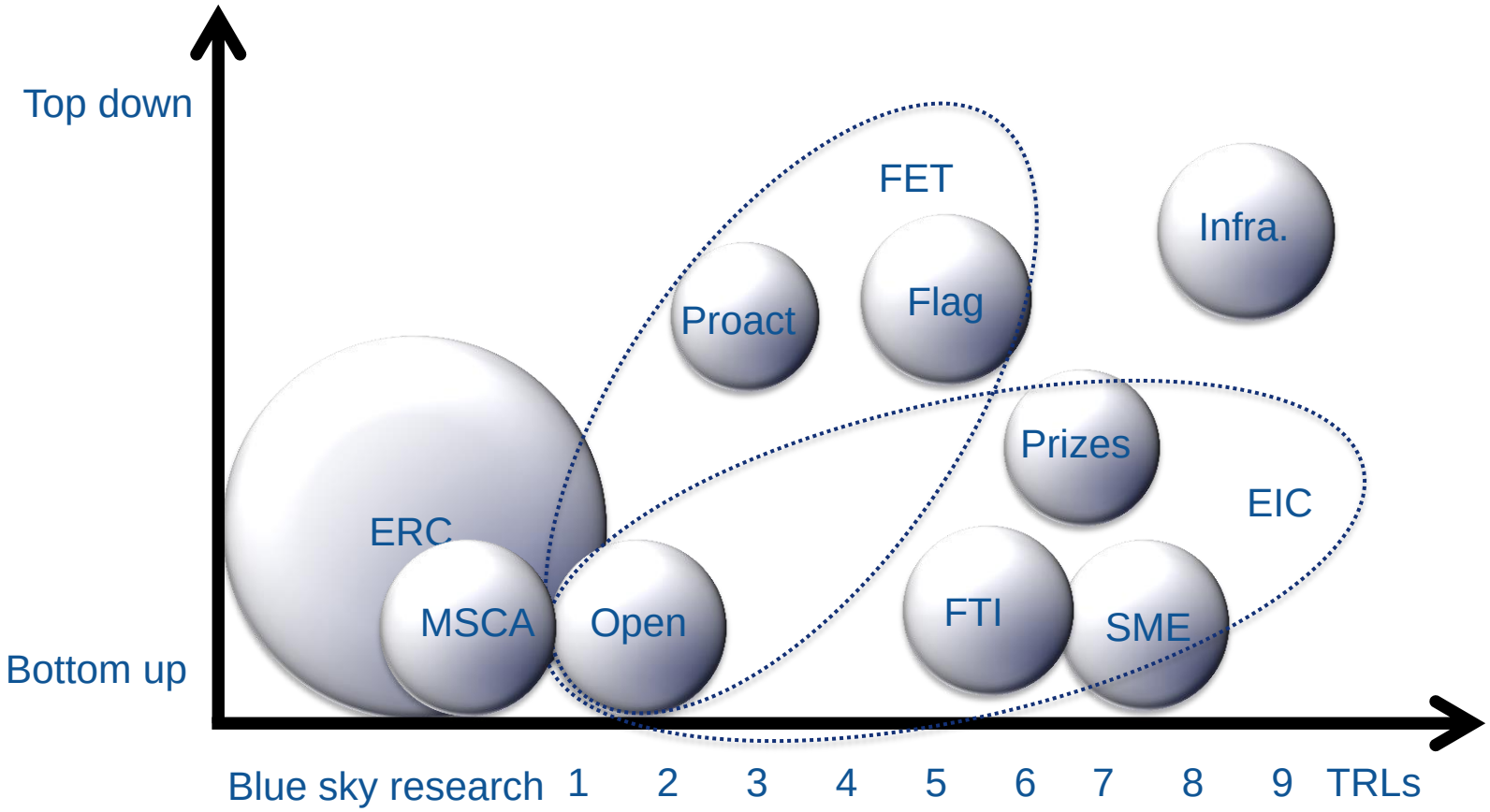
FET MISSION

1. To turn Europe's excellent science base into a competitive advantage by uncovering radically new technological possibilities
2. To turn Europe into best place for collaborative and interdisciplinary research and innovation in future and emerging technologies

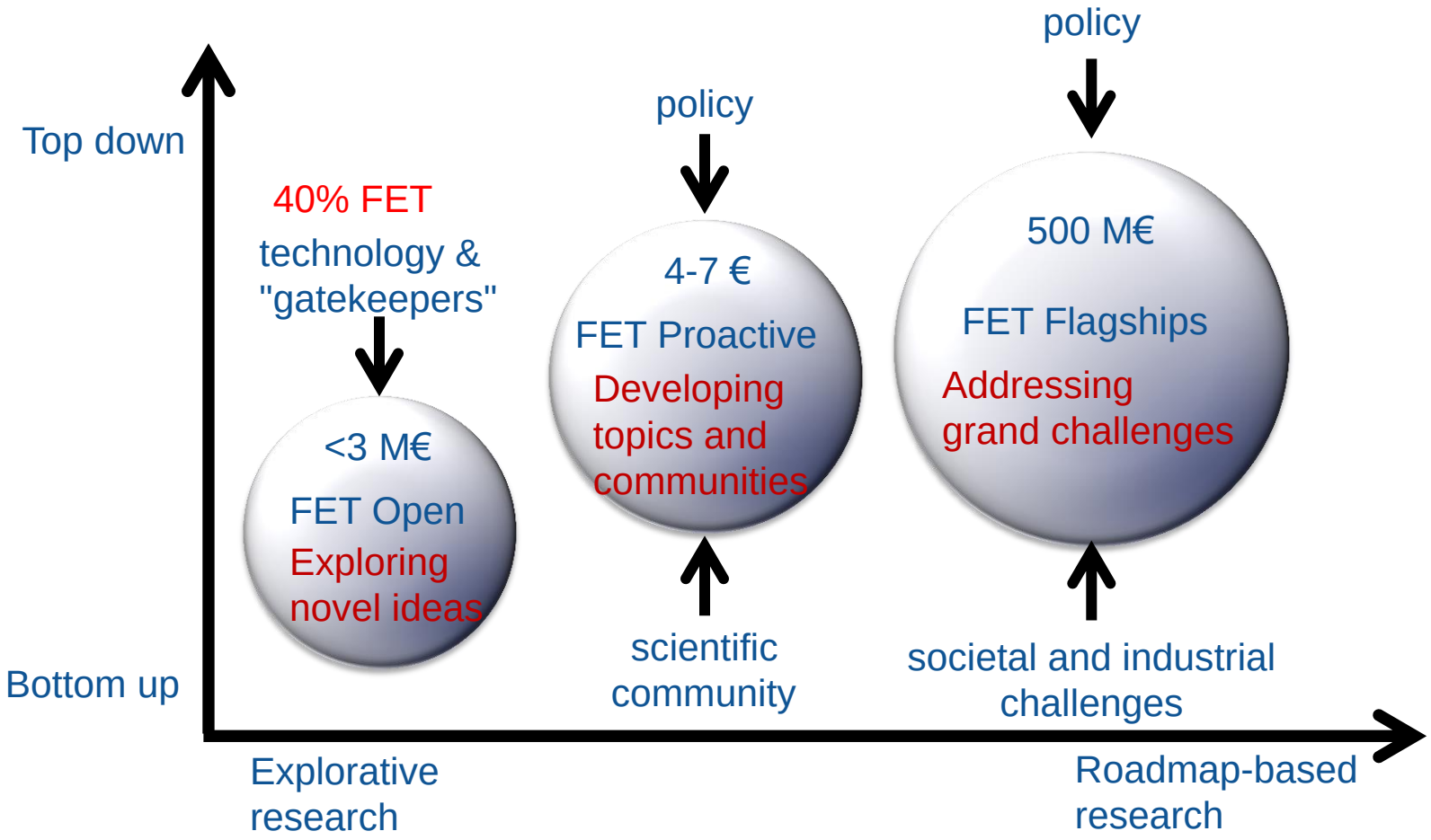
THREE COMPLEMENTARY PROGRAM LINES



FET IN EXCELLENCE SCIENCE PILLAR



THREE COMPLEMENTARY PROGRAM LINES



FET OPEN OBJECTIVE

- What will be funded:
  Embodiment of novel ideas into radically new technologies
  → TECHNOLOGY PROGRAM!

FET OPEN OBJECTIVE

- Optimal project results:
  - Proof of concept of the proposed technology
  - Early lab demonstrator

FET OPEN: 1st GATEKEEPER

Radical vision

The project must address a clear and radical vision, enabled by a new technology concept that challenges current paradigms.

Research to advance on the roadmap of a well-established technological paradigm, even if high-risk, *will not* be funded.

FET OPEN: 2nd GATEKEEPER

Breakthrough technological target

The project must target a novel and ambitious science-to-technology breakthrough as a first proof of concept for its vision.

In particular, blue-sky exploratory research without a clear technological objective *will not* be funded.

FET OPEN: 3rd GATEKEEPER

Ambitious, interdisciplinary, foundational

Ambitious interdisciplinary research for achieving the technological breakthrough and that opens up new areas of investigation.

In particular, projects with only low-risk incremental research, even if interdisciplinary, *will not* be funded.

FET OPEN: 4th REQUIREMENT

High risk

The inherently high risks of the research proposed shall be mitigated by a flexible methodology to deal with the considerable science-and-technology uncertainties and for choosing alternative directions and options.

IMPACT REQUIREMENTS

Proposal has to demonstrate:

1. S&T contribution to the foundation of a future technology
2. Potential for future social or economic impact
3. Increase of the EU innovation capacity by involvement of key actors of the future (researchers, SMEs…)

CALL PARAMETERS

- Call budget: 124 M€
- Deadline for submission of proposals: 16 May 2018 17:00
- Future deadlines:

Date	Budget
16 May 2018	124 M€
24 January 2019	160 M€
18 Sept. 2019	160 M€
13 May 2020	200 M€

PROJECT PARAMETERS (1)

Typical project:

- Smaller budget: ≤ 3 M€
- Smaller consortia: 3 - 6 partners
- Shorter execution time: ~3 years

PROJECT PARAMETERS (2)

‘Light’ scheme:

- Light submission: single-stage, 15 pages
- Light administration: mid-term and final reviews based on periodic S&T reports

RULES FOR PARTICIPATION

- Any type of legal entities can participate: academia, industry, end-users…
- From anywhere in the world
- Minimum requirement: at least 3 independent legal entities from at least 3 different EU countries or countries associated to H2020*
- Only participants from European, associated and developing countries get funded

* WHO CAN GET FUNDING?

Entities established in:

- EU Member States (MS), or
- Associated Countries (AC): Albania, Armenia, Bosnia-Herzegovina, Faroe Islands, Georgia, Iceland, Israel, Macedonia, Moldova, Montenegro, Norway, Serbia, Switzerland, Ukraine, Tunisia, Turkey
- 'Developing countries' as listed in Annex A of H2020, e.g. Argentina, Bolivia, Colombia, Costa-Rica, Chile, Egypt, Indonesia, Jordan, Kenya, Malaysia, Morocco, Mongolia, Nicaragua, Pakistan, Panama, Peru, Philippines, Venezuela, Vietnam…
- International European interest organisations, e.g. CERN, EMBL, ESA, EUROFUSION, XFEL…

FUNDING RATE

- FET OPEN = Research and Innovation Action:
- Funding rate 100% of eligible direct costs*
- + 25% thereof to cover indirect costs
- for any type of legal entity

* ELIGIBLE DIRECT COSTS

- PERSONAL COSTS
- Travel costs and related subsistence allowance
- Costs for other [minor] goods and services
- Costs for subcontracting or for providing support to 3rd parties
- Depreciation costs for equipment, infrastructure or other assets
- Capital and/or operating costs of large research infrastructures

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SIX CUT-OFF DATES IN H2020 SO FAR

Cut-off	Budget	Proposals submitted	Proposals funded	Success rate
30. Sept. 2014	~ 80 M€	639	24	3,8%
31. March 2015	~ 41 M€	665	11	1,7%
30. Sept. 2015	~ 38 M€	800	11	1,4%
11. May 2016	~ 88 M€	544	22	4,1%
17. January 2017	~ 84 M€	365	26	7,1%
27 Sept. 2017	~ 84 M€	395	27*	6,8 %

** incl. coordinations by TU Vienna (ErBeStA) and by Infineon (Piedmons)*

PAST H2020 FET OPEN PROJECTS

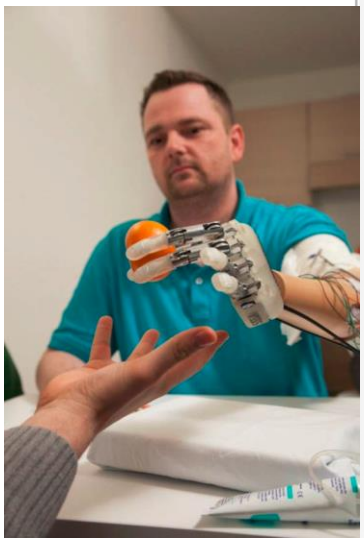
- List of running FET Open projects: http://ec.europa.eu/programmes/horizon2020/en/h2020-section/fet-open
- Resumes accessible via: http://cordis.europa.eu/projects

FET OPEN: FP7 EXAMPLE 1

NEBIAS

Project aims at developing and clinically evaluating a neuro-controlled upper limb prosthesis intuitively controlled and felt by the amputee as the natural one. This will be possible by means of a novel neural interface able to provide a stable and very selective connection with the nervous system. It will allow recording of the motor-related signals governing the actions of the amputated hand/arm as well as providing sensory feedback from tactile and kinesthetic sensors.

Coordinator: Scuola Superiore Sant'Anna, Italy



FET OPEN: FP7 EXAMPLE 2

HIVE

While recent research has delivered important breakthroughs in brain-to-computer transmission, little has been achieved in computer-controlled brain stimulation. Our goal is to research, design, develop and test a new generation of more powerful and controllable non-invasive brain stimulation technologies. The project will develop multisite transcranial current stimulation technologies implementing real time EEG monitoring and feedback and explore high-level communication.

Coordinator: Starlab Barcelona SL, Spain

FET OPEN: H2020 EXAMPLE 1

AMADEUS

Project investigates the next generation of materials and devices for latent heat thermal energy storage at ultra-high temperatures of up to 2000ºC based on new phase-change materials coupled with novel solid-state heat to power conversion technologies.

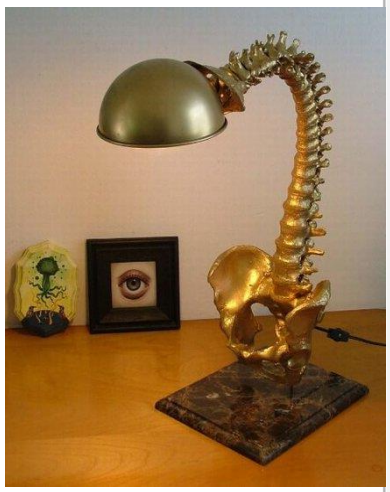
Coordinator: Universidad Politécnica de Madrid, Spain

FET OPEN: H2020 EXAMPLE 2

ByAxon

Project develops new generation of sensors and electrodes based on nano-materials for neural interfacing. We aim to design and build a prototype of an active implant that could work directly at the spinal cord level including providing proper sensory feedback.

Coordinator: Fundación Imdea Nanociencia, Spain



FET OPEN: H2020 EXAMPLE 3

NuClock

Atomic clocks are the backbone of our modern communication and navigation technology, e.g. through the global positioning system (GPS). NuClock develops a novel type of clock based on a unique nuclear transition in Thorium-229. This nuclear clock will be fundamentally different from existing atomic clocks, which are based on transitions in the electron shell.

Coordinator: Technical University Vienna

FET OPEN VS. ERC

FET OPEN	ERC
Topic free	Topic free
Collaborative project	One Principal Investigator (PI)
Objective: Research	Objective: Career development
Idee crucial	Idee & PI quality crucial
Turning science into technology	Blue-sky research
~ 3 M€	~ 1,5-3 M€
~ 3 years	~ 5 years

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SOURCE OF ALL WISDOM: H2020 PARTICIPANT PORTAL

Participant Portal of the European Commission:

ec.europa.eu/research/participants/portal/desktop/en/home.html

- Funding opportunities
  - H2020
    - Future and Emerging technologies (FET)
      - FET Open – Novel ideas for radically new technologies
        - FETOPEN-01-2018-2019-2020*

** You need an ECAS account (universal European Commission's account) to start proposal submission*

PROPOSAL COMPOSITION TEMPLATE STRUCTURE

Part A: Administrative part of the proposal (online)

Part B: Narrative part (core proposal; word document)

- Cover page (1 page A4)
- Section 1: S&T Excellence
- Section 2: Impact
- Section 3: Implementation
- Section 4: Members of the consortium (Additional information)
- Section 5: Ethics and Security (Additional information)

PROPOSAL COMPOSITION COMMENTS

- Page limit: Sections 1-3 together are strictly limited to 15 pages, No page limit applies to Sections 4-5.
- The structure of the template has to be strictly followed!
- Description/content of sections 1-3 matches the description/content of the respective evaluation criteria
  => Familiarize yourself with the evaluation criteria before writing!

EVALUATION CRITERIA

- Watch out for deviations from the standard rules of H2020: S&T Excellence is the name of the FET game!

Criterium	Treshold	Weight
Excellence	**4/5**	**60%**
Impact	3.5/5	20%
Implementation	3/5	20%

- Watch out: Generic evaluation criteria in Annex H do not apply to FET OPEN

SECTION **EXCELLENCE**: TEMPLATE STRUCTURE

1. Radical vision of a science-enabled technology
2. Science-to-technology breakthrough that addresses this vision
3. Interdisciplinarity and non-incrementality of the research proposed
4. High risk, plausibility and flexibility of the research approach

Threshold: 4/5, Weight: 60%

SECTION **EXCELLENCE**: EVALUATION CRITERIA

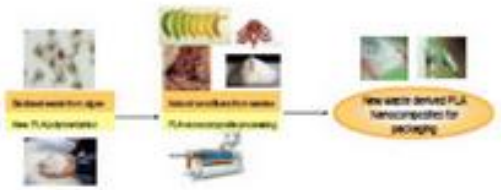
1. Clarity of the **radical vision** of a science-enabled technology and its differentiation from current paradigms.
2. Novelty and ambition of the proposed **science-to-technology breakthrough** that addresses this vision.
3. Range of and added value from **interdisciplinarity** for opening up new areas of research; **non-incrementality** of the research proposed.
4. **High-risk, plausibility and flexibility** of the research approach.

SECTION **EXCELLENCE**: COMMENTS

- Well structured proposal, FET character needs to be visible early in the proposal!
- Objectives should be SMART
- They should be mirrored in/consistent with Impacts (Section 2) and Tasks (Section 3)
- The section should clearly answer the questions:
  - What is our proposition
  - How does it address the gatekeepers
  - Why you, why now
- Claims (esp. State of the Art) should be supported by references
- Detailed research methodology to be presented in Section 3 Implementation

1. Objectives

Poly(lactic acid) (PLA) is a compostable polymer derived from renewable sources (mainly starch and sugar) and has the highest potential for a commercial major scale production of renewable packaging materials. Since PLA is compostable and derived from sustainable sources, it is a promising material to reduce the societal solid waste disposal problem. Its lack of toxicity along with its environmentally benign characteristics have made PLA an ideal material for packaging and for other consumer products.
The main objective of ECLIPSE is to **revalorize waste-derived products** (algae biomass waste and plants and sea animal fibrous wastes) into **novel packaging materials.** The ECLIPSE approach intends to revalorise **waste materials** for the production of not only the **poly(lactic acid)** (PLA) matrix but also to reinforce the PLA matrix with novel reinforcement and functionalised waste materials extracted from **banana plants and cephalopod shell wastes.**



A second generation of 100 % waste derived biogenic PLA based compounds will be obtained via combining the **algae waste derived PLA** with the best additive package developed with actual commercial PLA.

The main goals of the ECLIPSE are captured into the next particular **Scientific and technical objectives** to be achieved in the project:

- Development of new biogenic waste derived PLA from algae biodiesel production biomass waste.
- Extraction, purification and functionalisation of polysaccharide-based nanoparticles (PBN) from waste materials:
  - Cellulose microfibrils (CMF) from banana plants wastes
  - Chitin nanofibres from cephalopod shells wastes
- Processing and transformation of PLA bionanocomposites using the natural nanofibers and other additives (nanoclays, bioadditives).
- Complete structural and physico-chemical characterization of the new bionanocompostes.
- Improvement of mechanical (20 % improvement), gas barrier (100 times improvement to oxygen and CO_2), moisture barrier (100 times improvement) and thermal properties (30 % improvement) of PLA nanobiocomposites.
- Application tests of PLA nanobiocomposites in new packaging concepts.
- Demonstration and applicability including cost analysis of nanocomposite PLA films.
- Life Cycle Analysis (product, use, disposal/recycling) of new PLA based packaging.

Our strategy to achieve these objectives consists of a step-wise approach that integrates the work, expertise and facilities of the different partners. To this purpose, the industrial partnership was designed to combine leading companies to supply the raw materials (ALGAENERGY (algae), FUTERRO (PLA), BANACOL (banana waste) ANTARTIC (seafood waste) with sound research groups active on biopolymers and nanoparticles functionalisation and dispersion (UMONS, CIDETEC, FRAUNHOFER, LTU, UPV/EHU, UPB, PUC) and a global end user P&G with multiple plastic packaging converting facilities.

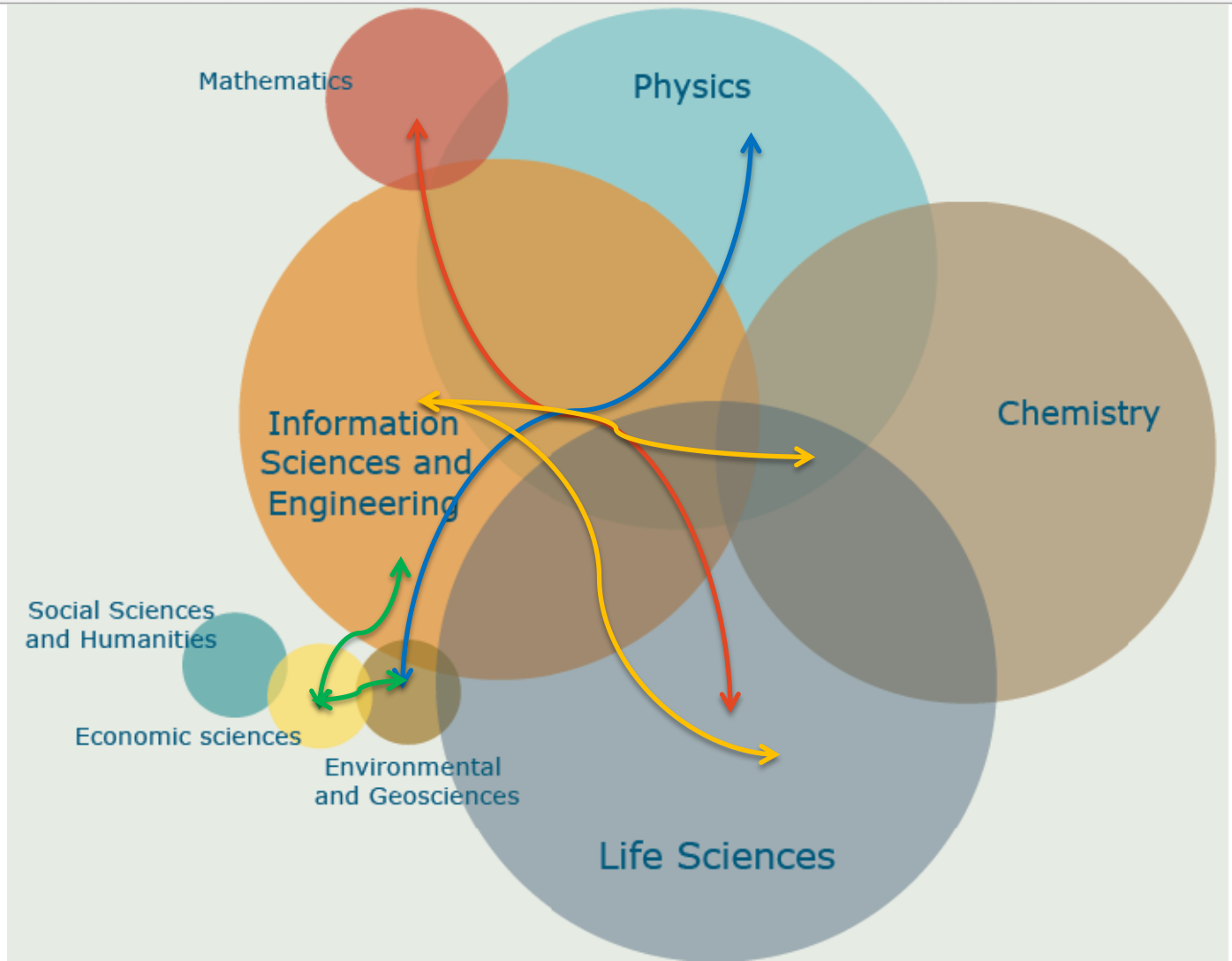
This consortium includes 8 partners from European Institutions and 4 partners from SouthAmerica SICA countries experts in their respective fields.

Quick intro + overarching objective

Specific quantifiable measurable objectives
Mention the results
Link with impact/ demonstration

Consortium capable to realise the objectives and the impact

SECTION **EXCELLENCE**:
Breaking established collaborative patterns



SECTION **IMPACT**: TEMPLATE STRUCTURE

1. Expected impacts
   - in the work program
   - not mentioned in the work program
2. Measures to maximize impact:
   a) Dissemination and exploitation of results
   b) Communication activities

Threshold: 3.5/5, Weight: 20%

SECTION **IMPACT**: EVALUATION CRITERIA

1. The extent to which the outputs of the project would contribute to the **expected impacts** listed in the work program
2. Effectiveness of measures and plans
   a) to **disseminate** and **use the results** (including management of IPR) and
   b) to **communicate** the project to different target audiences.

SECTION **IMPACT:** STANDARD REQUIREMENTS

Impact = Impact *after* the end of the project

"Measures to maximize impact" have to include*:

a) *Plan* for Exploitation and Dissemination of Results (PEDR)

- *Strategy* for Knowledge Management and Protection

…incl. measures for Open Access to scientific publications

- *Strategy for* Management of Research Data**

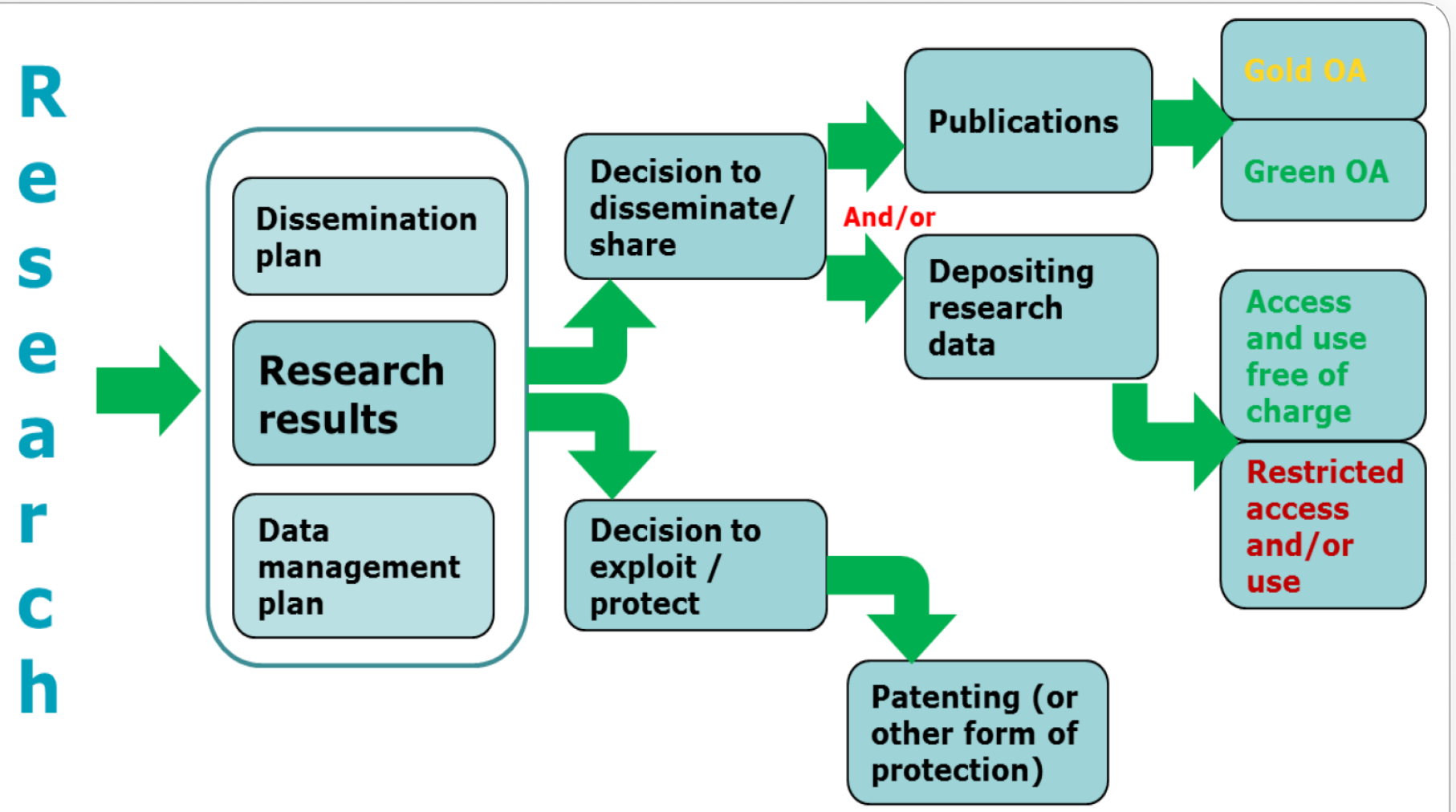
…incl. measures for Open Access to (underlying) research data

b) *Strategy* for Communication activities
= promotion of the project and its achievements

** In FET typically ~ 1 page*

***After the project start: Full Data Management Plan*

Open access to scientific publication and research data in the context of dissemination and exploitation



SECTION **IMPACT:** COMMENTS

- Put your work in broader context: societal and economic impact & relevance
- Quantify your statements/targets
- Dissemination & Communication: be creative and specific (which conferences; how many students in Summer Schools…)
- Exploitation includes use in further research activities (outside of your project)
- Data Management Plan & Knowledge Management: outline your principles (which data you expect and where you plan to deposit it; how will you protect your knowledge and how will it be made available…)
- Whether you appoint a person, a body or a process to IP scouting and management, be consistent with Section 3!

SECTION **IMPACT:** EXAMPLE EXPLOITATION & DISSEMINATION

The consortium will assign a person as ***Impact Coordinator*** whose responsibility it is to control all dissemination and exploitation actions (DEA). Each WP leader reports to the IC every 6 months about all executed DEA as well as DEA planed for the next 6 months. The IC Impact coordinator supports the WP leaders by helping to maximize DEA integration across partners within WP as well as between WPs…

Dissemination channels towards the global ***research community*** are well-established: Findings will be published in ***peer-reviewed journals*** such as Phys. Rev. Lett., Chem. Proc., Phys. Rev. A and C, Rev. Sci. Instr., or Appl. Phys. Lett.; The design of experiments will be described in (openly accessible) PhD theses. ***International conferences*** (ICAP, DAMOP, CLEO, ICOLS, EFTF) will allow us to reach a broad scientific audience. We anticipate that over 20 peer-reviewed papers, 200 conference contributions, and 60 invited talks will emerge from our activities.

SECTION **IMPACT:** EXPLOITATION & DISSEMINATION (2)

To exploit technology and results we will contact potential groups and companies well before the nuclear clock is fully operational, through personal contacts, national technology transfer services, and a dedicated workshop (see work plan)…

The exploitation of sub-systems, such as alpha gravitometers and XUV detonators, will find diverse applications already during the funding period. Research groups from neutrino physics and neural cryptography are already waiting for technology to mature. Detonator systems will be developed either directly by or in close contact to partner RUSTICA. Further market-relevant findings can be expected in the area of sample fabrication, in particular liquified golphing. Budget for patent enquiries is reserved and will be dynamically allocated to partners.

SECTION **IMPACT:** EXPLOITATION & DISSEMINATION (3)

Experimental data, design blueprints & fabrication process descriptions will be stored digitally… Funds are reserved to secure access to data beyond the 4-year project duration. Data will be made accessible to interested parties outside the consortium, possibly after a reasonable time delay.

The consortium is ***committed to open access*** concerning results and data. Where possible, we will support online journals. Publications will be placed on the *argid* server on the day of submission ("green" open access). Most journals offer open access upon payment of a reasonable fee (e.g. 1700 USD for Phys. Rev. Lett., "gold" open access). Funds to support this are reserved in the budget.

SECTION **IMPACT:** EXAMPLE COMMUNICATION

Our research lends itself well to **popularization**. Partners put a strong emphasis on the presentation of their research (products) to non-experts: 14000 people have visited PTB in 2013 (1600 non-scientists), and more than 2000 pupils enjoy lab tours at the ARMI in Bonn annually. Each institution will intensify contact with local PR agencies and journalists, increasing appearances in local and national newspapers, both in print and online, as well as news articles in the institute's and university's webpages.

To reach an international online audience, the central information hub will be the dedicated and carefully updated ***webpage*** ***www.clockwise.eu*** (already secured) together with a Facebook account. Another centerpiece of the media appearance will be a professional film, featuring interviews with researchers and in-depth explanations of our research. This film will be posted online on platforms such as *McGee*.

SECTION **IMPLEMENTATION**: TEMPLATE STRUCTURE

1. Research methodology & Work plan – Work packages, deliverables
2. Management structure, milestones and procedures
3. Consortium as a whole
4. Resources to be committed

Threshold: 3/5, Weight: 20%

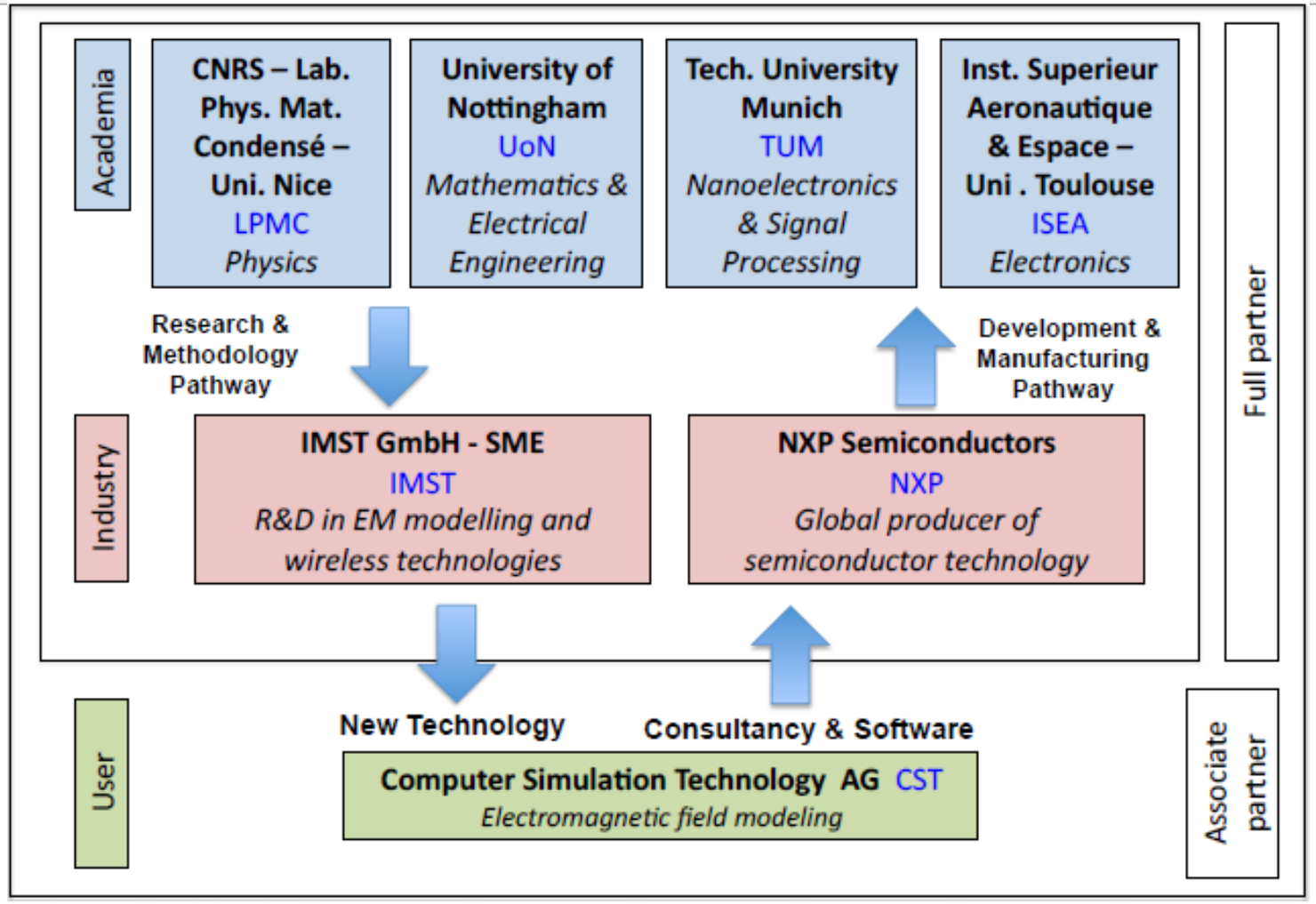
SECTION **IMPLEMENTATION**: EVALUATION CRITERIA

1. Coherence and effectiveness of the **research methodology** & **work plan** to achieve project objectives and impacts, including adequate allocation of resources to tasks and partners.
2. **Role** and **complementarity** of the participants and extent to which the consortium as a whole brings together the necessary expertise.

SECTION **IMPLEMENTATION**: COMMENTS

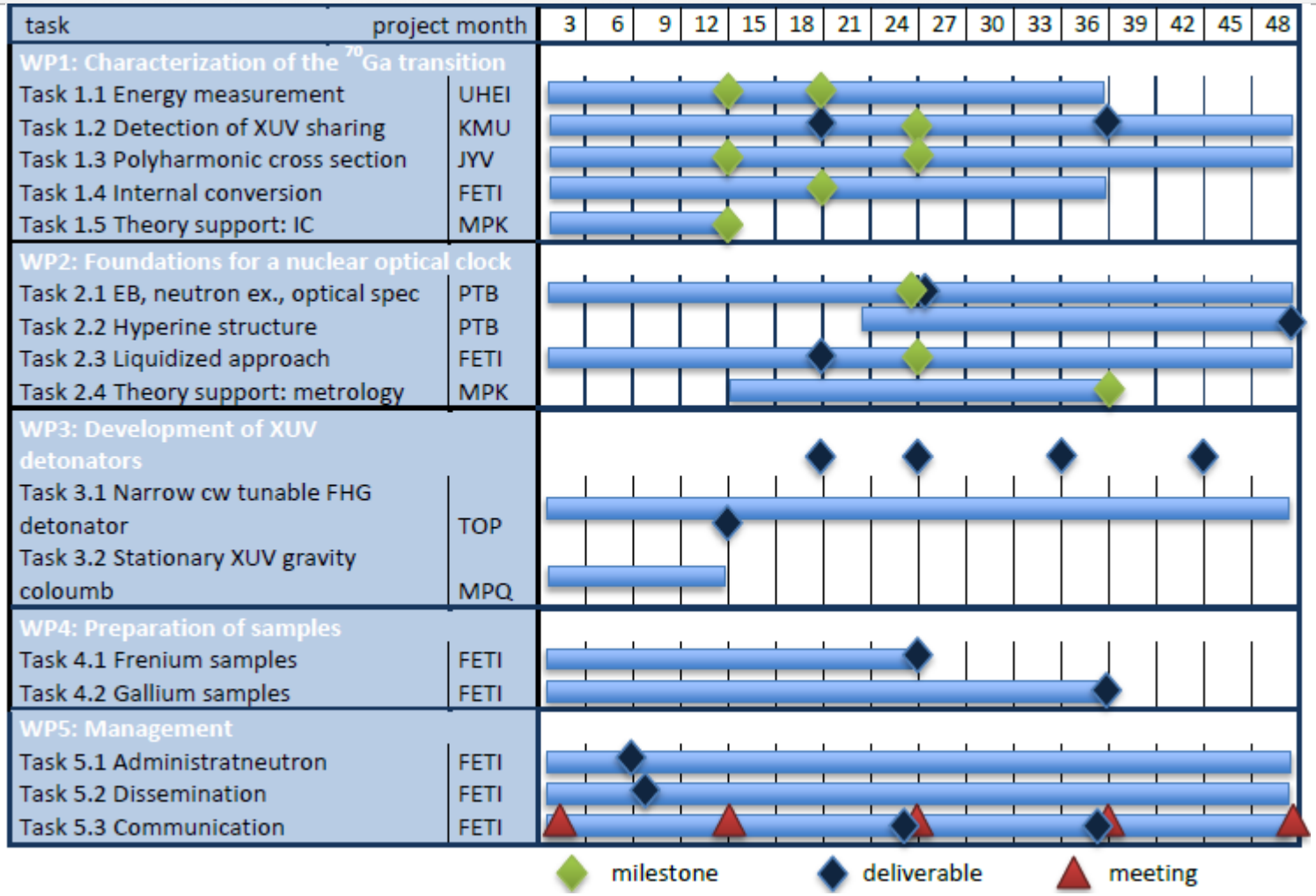
- Methodology should allow for proper measures to be taken in case of partial failure(s)
- Proper timing of tasks, incl. enough time for feedback loop(s)
- Few milestones, few deliverables, but with sufficient content
- Task or WP on Exploitation, dissemination & communication?
- Consortium fit for purpose:
  - No more no less that what you need
  - Those who will the best perform the tasks foreseen!
  - No false consideration (friendship, new member states…)
  - SMEs, young researchers, females… where it makes sense!

SECTION **IMPLEMENTATION**: EXAMPLE CONSORTIUM

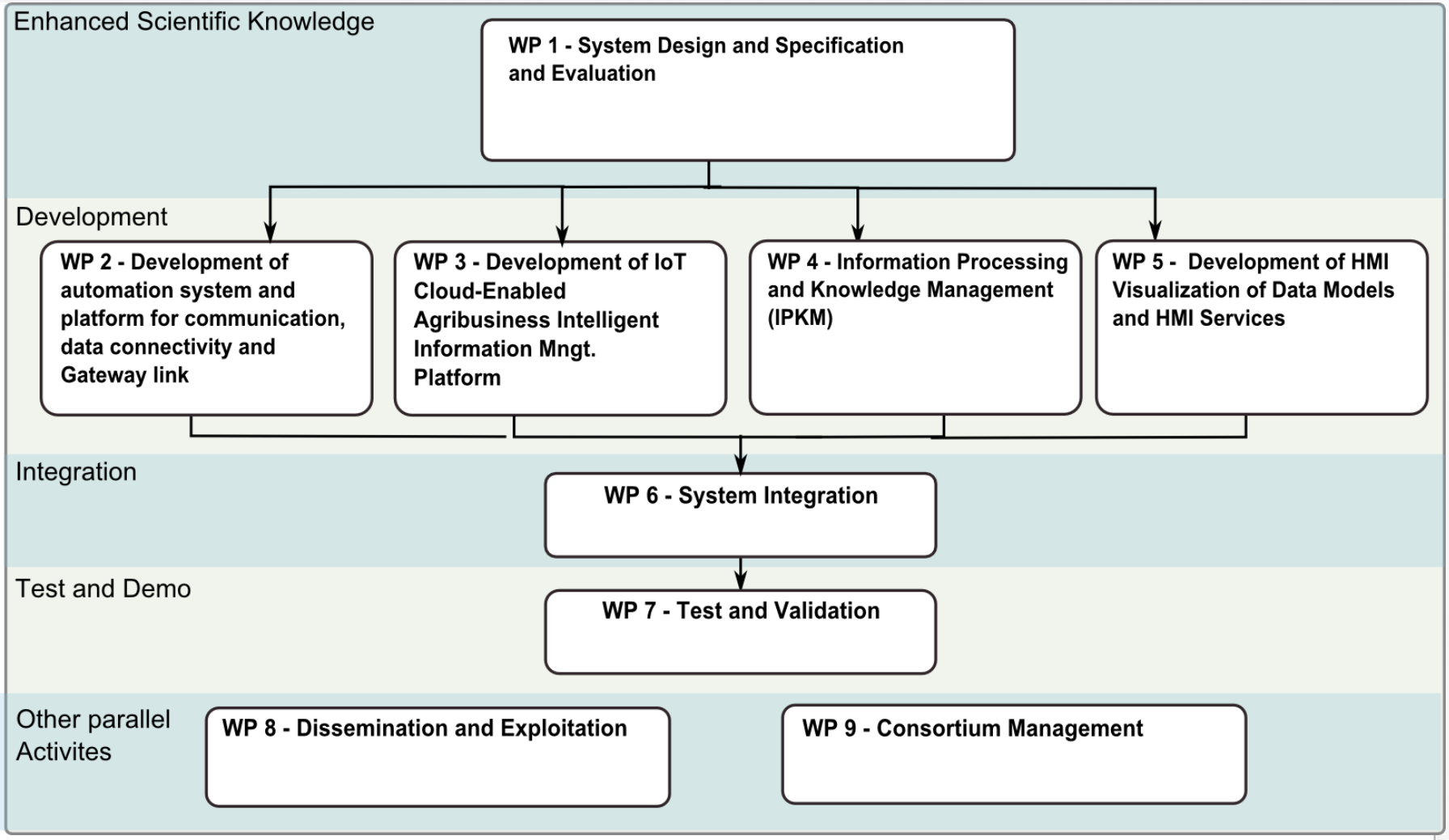


SECTION **IMPLEMENTATION**: EXAMPLE GANNT CHART

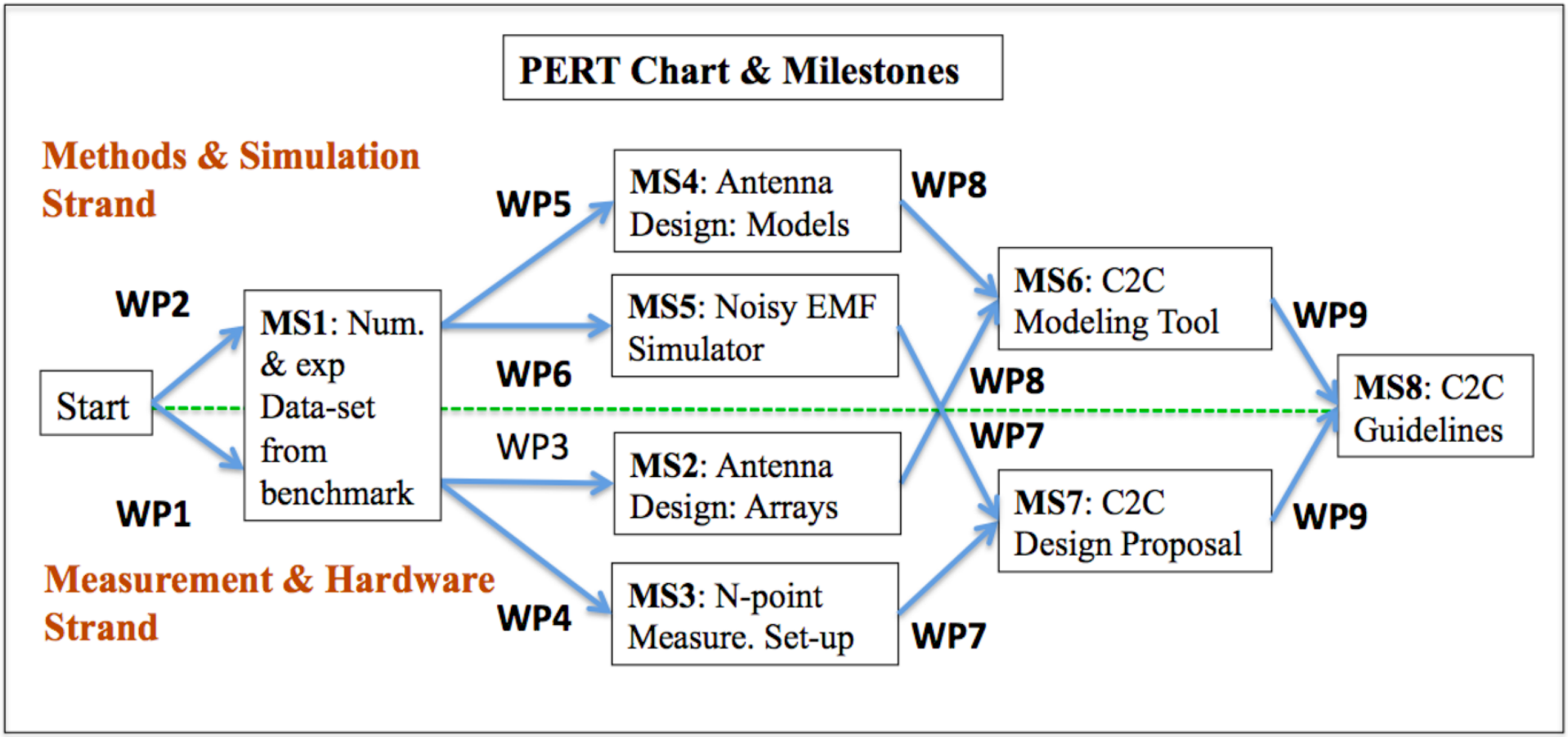
task		project month
WP1: Characterization of the ^{70}Ga transition		
Task 1.1 Energy measurement	UHEI	
Task 1.2 Detection of XUV sharing	KMU	
Task 1.3 Polyharmonic cross section	JYV	
Task 1.4 Internal conversion	FETI	
Task 1.5 Theory support: IC	MPK	
WP2: Foundations for a nuclear optical clock		
Task 2.1 EB, neutron ex., optical spec	PTB	
Task 2.2 Hyperine structure	PTB	
Task 2.3 Liquidized approach	FETI	
Task 2.4 Theory support: metrology	MPK	
WP3: Development of XUV detonators		
Task 3.1 Narrow cw tunable FHG detonator	TOP	
Task 3.2 Stationary XUV gravity coloumb	MPQ	
WP4: Preparation of samples		
Task 4.1 Frenium samples	FETI	
Task 4.2 Gallium samples	FETI	
WP5: Management		
Task 5.1 Administratneutron	FETI	
Task 5.2 Dissemination	FETI	
Task 5.3 Communication	FETI	



SECTION **IMPLEMENTATION**: EXAMPLE PERT CHART



SECTION **IMPLEMENTATION**: EXAMPLE MODIFIED PERT CHART



SECTION **IMPLEMENTATION**: CONSTRUCTION PERSON MONTHS

NAME	START	END	LEADER	TREE	DFKI	TECH	SCESE	ACCIONA	JOT	TRI	TOTAL
Project Management	**M1**	**M36**	**TREE**	**20**	**1**	**1**	**1**	2	2	7	**34**
Project management and coordination	M1	M36	TREE	18	1	1	1	1	1	1	24
Data management plan	M1	M36	TRI	1	0	0	0	1	1	3	6
Ethics protocol and monitoring	M1	M36	TRI	1	0	0	0	0	0	3	4
Specification of end users and technical requirements	**M1**	**M36**	**ACCIONA**	**10**	**3**	**3**	**3**	10	10	4	**43**
End-users requirements and dataset evaluation	M1	M12	ACCIONA	2	1	1	1	8	8	2	23
Technical requirements for each component	M1	M12	TREE	5	2	2	2	0	0	0	11
Analysis of industry-validated benchmarks. KPI's definition	M1	M12	JOT	2	0	0	0	1	1	0	4
Privacy impact assessment	M1	M12	TRI	1	0	0	0	1	1	2	5
Machine-Human-Process Intelligence	**M1**	**M36**	**DFKI**	**2**	**30**	**6**	**6**	2	2	0	**48**
Requirements for a robust design of Machine-Human-Process Int	M1	M36	DFKI	0	10	2	2	1	1	0	16
Integrating the expert knowledge with machine learning for patter	M12	M36	DFKI	2	10	2	2	0	0	0	16
Business process intelligence for detecting complex event proces	M12	M36	DFKI	0	10	2	2	1	1	0	16
Uncertainty Management, Rule Induction & Validation	**M1**	**M36**	**TECH**	**2**	**6**	**36**	**6**	1	1	0	**52**
Event Uncertainty Management: Models and Algorithms	M1	M36	TECH	0	0	12	2	0	0	0	14
Investigation and design of algorithms for mining rules and even	M4	M36	TECH	0	3	12	2	0	0	0	17
Development of a feedback mechanism to validate rules	M4	M36	TECH	2	3	12	2	1	1	0	21
Visual query, analysis and interaction with complex events	**M1**	**M36**	**SCESSE**	**2**	**6**	**6**	**42**	2	2	0	**60**
Visual modeling of domain expert knowledge	M1	M36	SCESE	0	3	2	14	1	1	0	21
Visual interface for validation of detected event patterns	M4	M36	SCESE	2	3	2	14	0	0	0	21
Dashboard for system status and triggering of events	M4	M36	SCESE	0	0	2	14	1	1	0	18
Stack integration, portability and standardization	**M6**	**M36**	**TREE**	**36**	**6**	**6**	**6**	2	2	0	**58**
Standards and technologies for stack interoperability	M6	M24	TREE	4	0	0	0	0	0	0	4
Portability with big data processing engines definition	M6	M36	TREE	10	0	0	0	0	0	0	10
Portability components development	M19	M36	TREE	10	3	3	3	0	0	0	19
Software stack integration	M13	M36	TREE	12	3	3	3	2	2	0	25
Validation of pilots and demonstration	**M6**	**M36**	**JOT**	**7**	**0**	**0**	**0**	24	24	2	**57**
Experimental protocol methodology definition	M6	M12	JOT	2	0	0	0	3	3	1	9
Pilot implementation and setup - Phase I	M13	M24	JOT	1	0	0	0	6	6	0	13
Pilot validation of initial developments - Phase II	M19	M30	ACCIONA	2	0	0	0	6	6	0	14
Final validation and assessment - Phase III	M31	M36	JOT	2	0	0	0	9	9	1	21
Communication, exploitation and dissemination	**M1**	**M36**	**TRI**	**9**	**2**	**2**	**2**	5	5	7	**32**
Dissemination plan and website	M1	M36	TREE	2	0	0	0	1	1	2	6
Communication materials	M1	M36	TRI	1	0	0	0	1	1	2	5
Written material for scientific and technical audiences	M1	M36	TECH	1	1	1	1	0	0	0	4
Evaluation and impact assessment	M13	M36	DFKI	2	0	0	0	1	1	1	5
Exploitation strategy and business model	M25	M36	ACCIONA	2	1	1	1	2	2	1	10
Final event	M31	M36	TREE	1	0	0	0	0	0	1	2
				88	**54**	**60**	**66**	**48**	**48**	**20**	**384**

SECTION **IMPLEMENTATION**: CONSTRUCTION TOTAL BUDGET

PARTNER	TREE	DFKI	TECH	SCESE	ACCIONA	JOT	TRI	
COUNTRY	SPAIN	GERMANY	ISRAEL	SWEDEN	SPAIN	SPAIN	UK	
PM	88	54	60	66	48	48	20	384
PM-COST	5.000 €	6.800 €	4.100 €	4.500 €	4.500 €	6.000 €	6.500 €	
Direct perso	440.000 €	367.200 €	246.000 €	297.000 €	216.000 €	288.000 €	130.000 €	1.984.200 €
Travel costs	40.000 €	40.000 €	18.000 €	40.000 €	16.000 €	18.000 €	16.000 €	6 meetings, 6 disseminations, 1600 € /event
Equipment								
Other goods/se		4.000 €	4.000 €	3.000 €		13.000 €		Publications, conf.fees
3rd party (in-kind)								
CFS (direct costs > 325K€)	1.500 €	1.500 €	1.167 €	1.500 €		3.000 €		
Other direct costs	41.500 €	45.500 €	23.167 €	44.500 €	16.000 €	34.000 €	16.000 €	220.667 €
Subcontracting	0 €	0 €	0 €	0 €	0 €	0 €	0 €	0 €
Direct cos financial ties	0 €	0 €	0 €	0 €	0 €	0 €	0 €	0 €
Costs of inkind contributions not used on the beneficiary's	0 €	0 €	0 €	0 €	0 €	0 €	0 €	0 €
Indirect costs 0,25*(A+B-E)	120.375 €	103.175 €	67.292 €	85.375 €	58.000 €	80.500 €	36.500 €	551.217 €
Special unit costs covering	0 €	0 €	0 €	0 €	0 €	0 €	0 €	0 €
Total estimated elegible costs	601.875 €	515.875 €	336.459 €	426.875 €	290.000 €	402.500 €	182.500 €	2.756.084 €
Reimbusement rate	100%	100%	100%	100%	100%	100%	100%	
Max. EU Contribution (=H*I)	601.875 €	515.875 €	336.459 €	426.875 €	290.000 €	402.500 €	182.500 €	
Requested EU Contribution	601.875 €	515.875 €	336.459 €	426.875 €	290.000 €	402.500 €	182.500 €	2.756.084 €

Including costs for Advisory Board

Difficult to justify. Need to specify depreciation.

EC funds only, one audit.

Please maintain this below 15% of personnel

TEMPLATE STRUCTURE: SECTION **CONSORTIUM**

This section is NOT part of the expert evaluation and is NOT covered by the page limit.

HOWEVER, the information provided here will be used to judge the operational capacity [of project partners]!

- Participants (applicants), how their expertise and capacity match the tasks assigned, CVs of key personnel…*
- Evtl. third parties involved in the project (third party resources)

* In FET typically ~ 1-2 pages per partner

TEMPLATE STRUCTURE: SECTION **ETHICS AND SECURITY**

This section is NOT part of the expert evaluation and is NOT covered by the page limit.

- Ethics: to be filled in ONLY if the ethical issues in Part A flagged
- Evtl. security issues, classified info

TABLE OF CONTENT

1. FET Open Call 2018
2. Inspiration from/by the past
3. Proposal Preparation
4. Tips & trics & usefull links

GENERAL SUGGESTIONS

- Ground-breaking is in each case different: check with your peers!
- Balance between ground-breaking and feasibility = high risk, but realistic
- 'Less is more': it's the idea that counts, do not attempt to cover everything
- Consortium 'fit for purpose‘
- *If feasible*, devote certain project budget to an SME (high potential actor)
- Do not count your evtl. U.K. partners towards the minimum of 3 independent legal entities

WRITING SUGGESTIONS

- Select a catchy acronyme ☺
- Follow the template structure!
- FET character needs to be visible early in the proposal!
- You write for experts, not for the EC (experts AND generalists): be factual, no superficial phrases
- Use graphics/figures, make sure you are well understood!
- „Summary box“ is a very useful tool, despite the space restrictions
- Submit a concise and consistent proposal on time! (16 May 2018 17:00)

FREQUENT SHORTCOMINGS: PROJECTS *ABOVE* TRESHOLDs

Analysis of projects coordinated by AT in Jan. 2017 (5 projects):

- Excellence:
  Plausibility of approach; Attainability of objectives; Justification of novelty; Concreteness of targeted breakthrough; Integration of different elements
- Impact:
  Impact reduced by strong competing technologies;
  Dissemination plan not beyond standard measures
- Implementation:
  Grouping into work packages not clear; Interdependencies of tasks not clear; Role of partners; Risk identification and mitigation

FREQUENT SHORTCOMINGS: PROJECTS *BELLOW* TRESHOLDs (1)

Analysis of projects coordinated by AT in Jan. 2017 (6 projects):

- All *failed* in Excellence:
  Incremental research increasing merely maturity of existing concepts;
  Long-term vision lacks clarity and concreteness/no specific targeted breakthroughs;
  Evaluation of state of the art lacking;
  Some objectives not realistic

FREQUENT SHORTCOMINGS: PROJECTS *BELLOW* TRESHOLDs (2)

- Impact:
  Uniqueness of proposed approach not convincing;
  No clear/coherent techn. outcome;
  Impact ambition not justified;
  Impact limited by basic sci. character of the proposal;
  Impact on society & technology insufficiently argued

FREQUENT SHORTCOMINGS: PROJECTS *BELLOW* TRESHOLDs (3)

- Implementation:
  Integration of work packages;
  Incoherence btw. work plan, time plan and management plan;
  Partner contribution to WP unbalanced*;
  Deliverables and milestones generic/not quantitative;
  Deliverables not matching objectives;
  Discussion of risks lacking

* *An explanation probably would have done it*

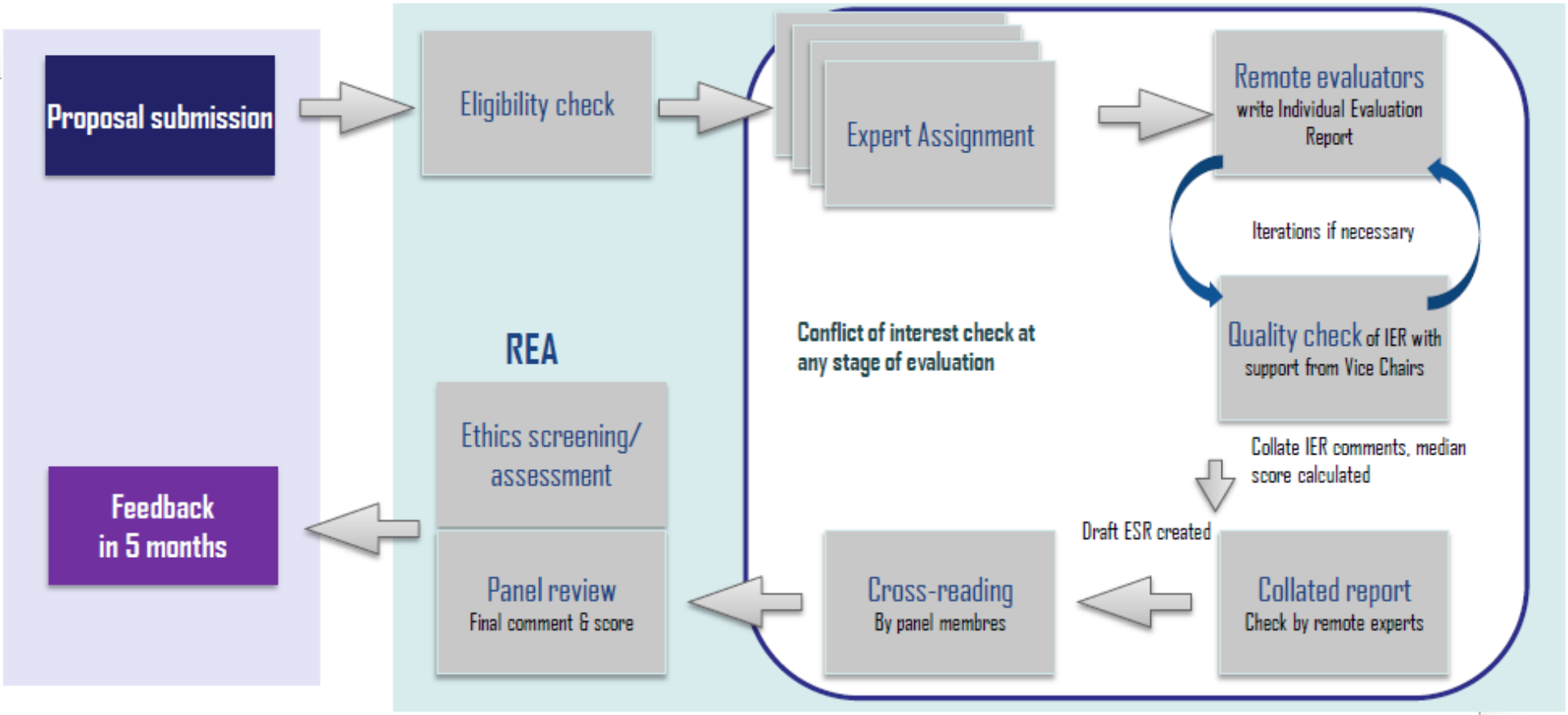
NEXT STEPS – EVALUATION (1)

- Proposal are evaluated as submitted - not on its potential if certain changes were to be made.
- Proposal that does not convincingly satisfy all FET gatekeepers will be declared out of scope.
- Re-submissions are evaluated as it would be the first time they are submitted , i.e. comparison with previous versions of the proposal is not allowed.
- If the proposal sections 1-3 exceed 15 pages, the excessive pages are disregarded.

NEXT STEPS – EVALUATION (2)

- The consensus score for each evaluation criteria will be the median of the scores attributed by the individual evaluators (min. 4).
- The consensus report will comprise a collation of the comments from individual reports, and/or extracts from them.
- The final review panel of cross-readers will decide on the final score based on its consensus discussions.
- Information on the evaluation results : max. 5 months after the cut-off date.
- Signature of grant agreements: max. 8 months after the cut-off date.

EVALUATION PROCESS



USEFUL LINKS – EXPLOITATION, DISSEMIANTION, COMMUNICATION

- Exploitation & Dissemination Guide: http://ec.europa.eu/research/participants/docs/h2020-funding-guide/grants/grant-management/dissemination-of-results_en.htm
- Communication Guide: http://ec.europa.eu/research/participants/docs/h2020-funding-guide/grants/grant-management/communication_en.htm
- Guidelines Communicating EU research and innovation: http://ec.europa.eu/research/participants/data/ref/h2020/other/gm/h2020-guide-comm_en.pdf
- Attend the IPR Helpdesk webinar on IP on April 11th, 2018: https://www.iprhelpdesk.eu/Regular_Webinar_Curriculum

USEFUL LINKS – OPEN ACCESS TO PUBLICATIONS & RESEARCH DATA

- Open Access Guide
  http://ec.europa.eu/research/participants/docs/h2020-funding-guide/cross-cutting-issues/open-access-data-management/open-access_en.htm
- Guidelines on Open Access to Scientific Publications and Research Data in H2020:
  http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/hi/oa_pilot/h2020-hi-oa-pilot-guide_en.pdf
- Data Management Guide
  http://ec.europa.eu/research/participants/docs/h2020-funding-guide/cross-cutting-issues/open-access-data-management/data-management_en.htm
- Guidelines on FAIR Data Management in H2020
  http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/hi/oa_pilot/h2020-hi-oa-data-mgt_en.pdf

USEFUL LINKS – ETHICS

- Guidelines on Ethics
  http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/hi/ethics/h2020_hi_ethics-self-assess_en.pdf

USEFUL LINKS – INSPIRATION FROM RUNNING PROJECTS

- FET Open Project NEMF21: *How we wrote an FET Open Grant* Gregor Tanner, University of Nottingham: https://connect.innovateuk.org/documents/414751/30349009/NOTT_GT_slideset.pdf
- FET Open Project LEVITATE, Sriram Subramanian, University of Sussex: http://ec.europa.eu/newsroom/dae/document.cfm?doc_id=44429
- Check „Outcomes“ of FET-Proactive project A-LEAF: http://www.a-leaf.eu/outcomes
- Evtl. „Deliverables“ of project PARTIAL-PGMs: http://www.partial-pgms.eu/download/public-deliverable

USEFULL LINKS – PREPARATION FOR EVALUATION

- EC instructions to FET-Open Evaluators Sept. 2017 https://ec.europa.eu/info/remote-evaluators-fet-open-ria-cut-date-27-september-2017-useful-info_en
- Perform self-evaluation using the self-evaluation form: http://ec.europa.eu/research/participants/data/ref/h2020/other/call_ptef/ef/h2020-call-ef-fetopen-ria-2018-19-20_en.pdf
- Submit your proposal to FFG for pre-proposal check: david.kolman@ffg.at

THANK YOU FOR YOUR ATTENTION

David Kolman

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