



Středoevropský technologický institut BRNO | ČESKÁ REPUBLIKA

PREFEKT & CEITEC PhD school Preparing International Grant Applications I.

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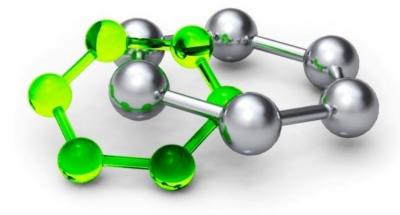
Grant Office CEITEC MU

Brno, 15th April 2016



EVROPSKÁ UNIE EVROPSKÝ FOND PRO REGIONÁLNÍ ROZVOJ INVESTICE DO VAŠÍ BUDOUCNOSTI

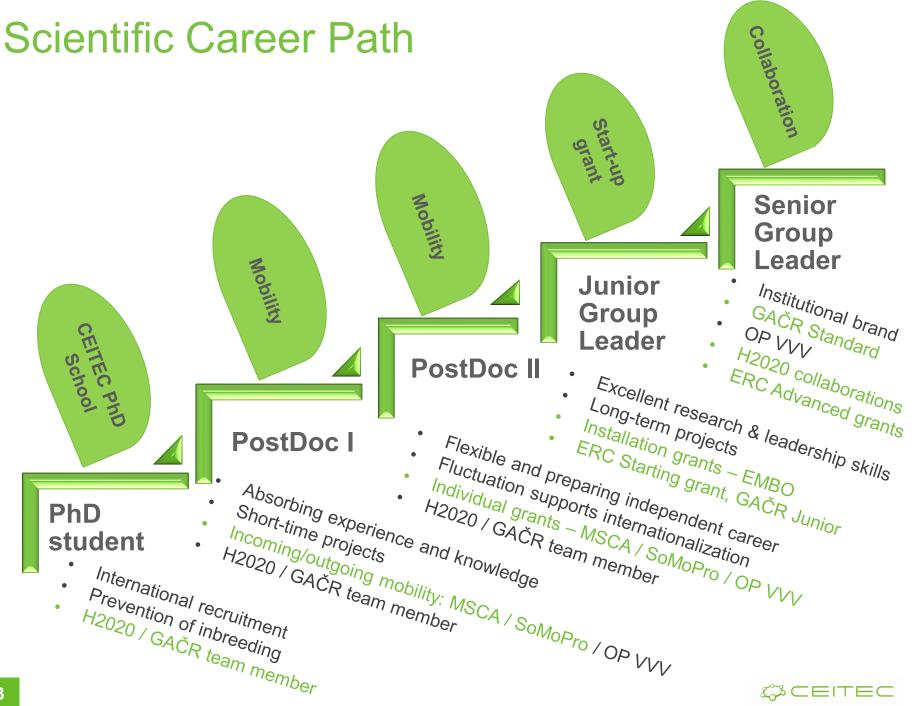




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- <u>3 Implementation</u>
 - Work plan
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 - <u>Budget</u>
- <u>Running the Project on Day-to-Day Basis</u>

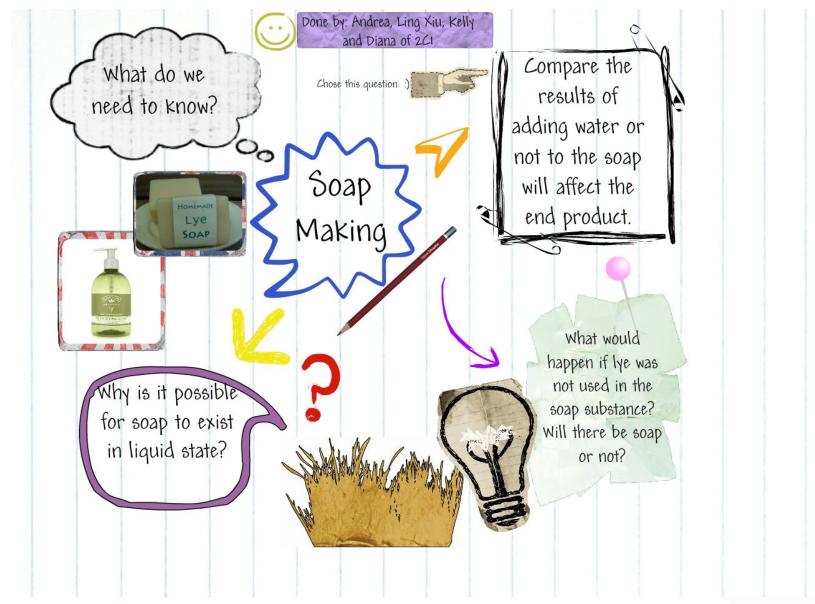




Project management – Introduction



What is a Project?





Project is...

- ...a temporary endeavour undertaken to create a unique product, service or result.
 - Temporary = it has a defined beginning and end in time, and therefore defined scope and resources.
 - Unique = a planned piece of work that has a specific purpose (such as to find information or to make something new)
- Project vs. Operations



Project Management is...

- ... the application of knowledge, skills and techniques to execute projects effectively and efficiently.
 - Projects must be expertly managed to deliver on-time, on-budget results

Project Manager is...

... the person assigned by the performing organization to lead the team that is responsible for achieving project objectives

- Knowledge
- Performance
- Personal approach



Reasons to start a project

- Market demand
- Strategic opportunity /business need
- Social need
- Environmental considerations
- Customer request
- Technological advantage
- Legal requirement
- What about in academia and R&D?



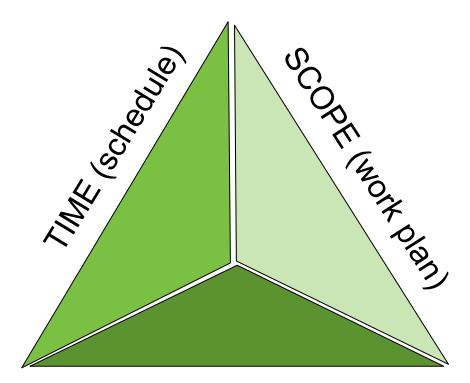
7 Project constraints

- Budget
- Scope
- Schedule
- Quality
- Resources
- Risk
- Customer satisfaction (?)





Triple constraint



COST (budget)

Priorities?

- 1. Add time
- 2. Limit scope
- 3. Put more money



Time management

- Understand the importance of basic project planning
- Develop scheduling skills
- Learn how to use several basic tools:
 - WBS (Work breakdown structure)
 - Resource allocation
 - Gantt charts





Time management principles

"Time is terrible resource to waste. And it is the most valuable resource in a project."

Projects have finite duration.

Managing a project requires awareness of 2 time frames:

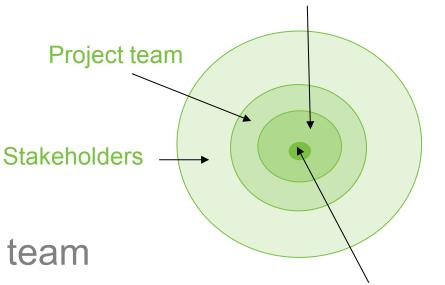


- The amount of effort a task will take (in time), e.g.,
 3 hours to write a report or 2 hours to cook lunch
- The time span over which the activity will occur, e.g., the report will be done within a week, dinner will be ready at 6 o ´ clock



Project team

- Dedicated
- Part-time
- Project team
 - Project sponsor
 - Project management team
 - Project manager
 - User or customer representatives
 - Subcontractors and suppliers
 - Partners



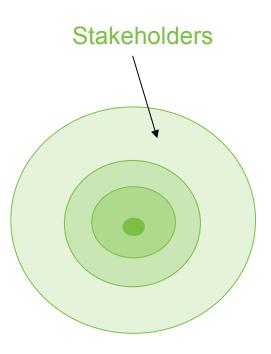
Project Manager

Project management team



Project Stakeholders

- ... are people/organizations influenced or involved in the project.
- Key points
 - Who they are?
 - What interests they have?
 - How shall we deal with this?





Sponsor role

- ... is customer (= grant provider) or member of senior management
- Provides financial resources for the project
- Appoints Project Manager
- Gathers support for the project, protects project
- Determines priorities
- Approves changes
- Accepts deliverables



Project Manager role

- Leads the team and is responsible for achieving project objectives
 - Helps write the project / the grant proposal
 - Influences project team and atmosphere
 - Manages interactions with key stakeholders
 - Leads planning the project
 - Manages project team
 - Monitors project work and proposes changes
 - Performs closing activities

Is proactive, has authority and accountability



Project team role

- Project team completes the work of the project
 - Helps identify requirements, constraints and assumptions
 - Participates in activity planning and provides estimates
 - Does the work according to plan
 - Participates in meetings
 - Raises change request

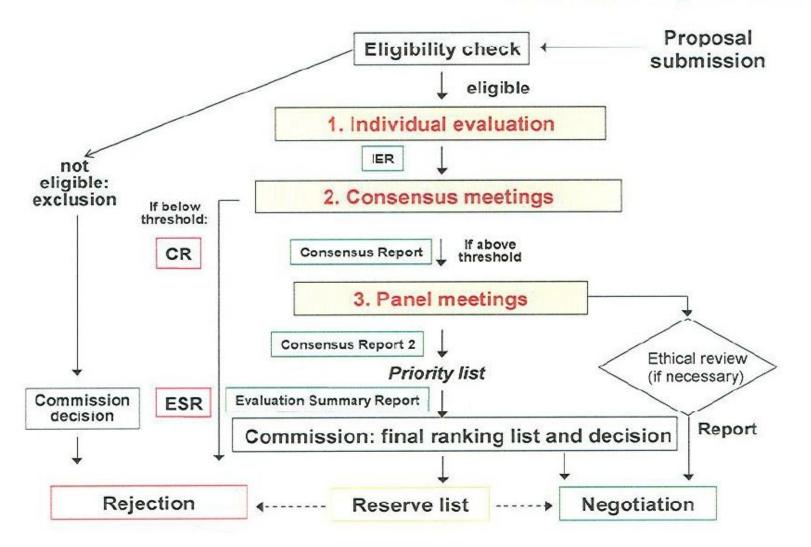


Proposal Structure and Evaluation Criteria



Horizon 2020

Evaluation process





Eligibility check

- To be considered admissible, a proposal must be:
 - submitted in the Electronic Submission System before the deadline given in the call conditions;
 - readable, accessible and printable.
- Incomplete proposals may be considered inadmissible. This includes the requested administrative data, the proposal description, and any supporting documents specified in the call.

| | Eligibility conditions ^{5,6,7} | |
|------------------------------------|---|--|
| Research & innovation action | At least three legal entities. Each of the three shall be established in a different Member State or associated country. All three legal entities shall be independent of each other. | |
| Innovation action | At least three legal entities. Each of the three shall be established in a different Member State or associated country. All three legal entities shall be independent of each other | |
| Coordination & support action | At least one legal entity established in a Member State or associated country. | |



Evaluation – Process

- Forms of evaluation remote or in-situ (in Brussels). In situ usually takes a week without the opportunity to contact the applicants, this usually covers both individual evaluation and consensus meeting; remote evaluation is usually individual, with consensus meeting later on in Brussels; sometimes, a hearing/interview is part of the evaluation (typically ERC)
- Evaluation process starts with a briefing from EC (call objectives, work programme, call text, interpretation of evaluation criteria; "calibrating" evaluators to minimize the risk of inconsistent evaluation)
- Individual part at least 3 evaluator individually reviewing the same project, completing
 Individual Assessment Report (IAR), verbal and numerical scoring for each criterion
- Consensus meeting all the 3 evaluators meet together and discuss the project jointly (ca. 0,5-1 h); the goal is to find consensus on verbal and numerical scoring of the project (not average, but consensus); in the end, one of the evaluators writes common position Evaluation Summary Report (ESR)
- Moderator = EC representative takes care of administration (appointing projects, gathering IAR), moderation of consensus meeting, control of evaluation quality (corelation between numerical scores and verbal comments), aims for consistency of "calibration" of the three evaluators



Evaluation – Criteria

| Excellence (50%) | Impact (30%) | Quality and efficiency of the |
|---|---|---|
| The following aspects will be taken into account, to the extent that the proposed work corresponds to the topic description in the work programme. | The extent to which the outputs of the project should contribute at the European and/or International level to: | implementation (20%) The following aspects will be taken into account: |
| Clarity and pertinence of the objectives; | The expected impacts listed in the work programme under the relevant topic; | Coherence and effectiveness of the work plan, including appropriateness of the |
| Credibility of the proposed approach; Soundness of the concept, including trans-disciplinary considerations, where relevant; | Enhancing innovation capacity and integration of new knowledge; Strengthening the competitiveness and growth of companies by developing | allocation of tasks and resources; Complementarity of the participants within the consortium (when relevant); |
| Extent that proposed work is ambitious, has innovation potential, and is beyond the state of the art (e.g. groundbreaking objectives, novel concepts and approaches). | growth of companies by developing innovations meeting the needs of European and global markets; and, where relevant, by delivering such innovations to the markets; Any other environmental and socially important impacts (not already covered above); Effectiveness of the proposed measures to exploit and disseminate the project results (including management of IPR), to communicate the project, and to manage research data where relevant. | Appropriateness of the management structures and procedures, including risk and innovation management. |
| 23 Criteria may slightly vary acc | | |

Evaluation – Criteria

- Criteria are general, interpretation may vary according to call (it is, however, possible, to deduce the interpretation from the call text – e.g. what impact is desirable)
- There are usually thresholds for the criteria (proposals not passing the threshold may not be financed) – usually 3 out of 5 for individual criteria and 10 out of 15 for the sum of scores; the criteria often have differing weights (excellence or impact the highest, according to focus on innovation)
- Marie Skłodowska-Curie Actions and ERC have slightly different evaluation procedure

| For each criterion, your proposal will be given scores of 0 to 5 (half marks are possible), as follows: | | | | | |
|---|--|--|--|--|--|
| The proposal fails to address the criterion or cannot be assessed due to missing or incomplete information (unless the result of an 'obvious clerical error') | | | | | |
| The criterion is inadequately addressed or there are serious inherent weaknesses | | | | | |
| The proposal addresses the criterion well but with a number of shortcomings | | | | | |
| The proposal addresses the criterion well but with a number of shortcomings | | | | | |
| The proposal addresses the criterion very well but with a small number of shortcomings | | | | | |
| The proposal successfully addresses all relevant aspects of the criterion; any shortcomings are minor | | | | | |
| | | | | | |



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Evaluation – interpretation of criteria

Proper interpretation of evaluation criteria is the key to success!

Excellence

- Originality of the idea, progress in state-of-the-art, ambition of the defined goals, work plan and its quality (logic behind the work packages)
- Impact
 - Dissemination of results, use of results (expected impact is always specified in the text of call/work programme), impact beyond the project participants (involvement of industry/users, extension towards other countries, ...)

Implementation

 Management – governing structure of the project, quality of project participants and team as a whole (complementary expertise), budget (reasonably – no need to be over-modest, the key is reasoning, explanation)



Proposal Structure

1 – Excellence (Scientific part)

- Aim and objectives
- Background and significance
- Preliminary studies
- Research design
- 2 Impact
- 3 Implementation
 - Work plan
 - Project management
 - Budget



1 – Excellence (Scientific Part)



Scientific Part – Tips

- Make it short and simple = transmitting your message to others.
- How does it fit into the existing knowledge base?
- Write on target.
- Don't make your hypothesis radical (cure of cancer...). Your hypothesis is a step up.
 Knowledge tends to be incremental!
- Address why it is a good question.
- What need does it fill for the granting agency?



a. Aim and objectives

- Specific and concrete
- Realistic and supported with your expertise
- Clearly and briefly described
- Justified
- Quantified
- Well timed and in line with defined project outcomes

 linkage of objective with Project Plan (work packages)
- In line with the call, i.e. with what the funding agency expects

First 1-2 pages must attract evaluator's interest!



b. Background and significance

- Sketch the background leading to the proposed grant, get straight to the point
- Focus and evaluate the current knowledge leading to the hypothesis
- Identify the gaps in current knowledge that your hypothesis is intended to fill
- State the "impact" relevance of the proposed work
- Relate this section to the aim
- Include your work here showing your expertise and credibility

Key point where your experience and credibility should be shown.



c. Preliminary studies

- Important is to have some studies performed that support your hypothesis. Not studies that have nothing to do with the hypothesis!
- Crucial point to establish experience and credibility.
- References can be noted here if they are DIRECTLY relevant to the hypothesis.
- Think about your potential Intellectual Property (IP).
 Can you turn your research into a revenue stream???

Without asking yourself the question about IP you can lose a lot.



d. Research design 1/2

- Must correspond with the Aim and Objectives section nothing more, nothing more complicated.
- Describe the research and procedures you will use
- How the data will be collected, analysed and interpreted?
- If introducing new methodology describe how it will be better than the "old" methods
- Discuss potential difficulties and risks/obstacles /limitations and how they will be overcome.
 (Contingency plan is often completely missing!)



d. Research design 2/2

- Give a sequence and timetable for the work
- Describe work packages, outcomes, milestones …

Work Plan

- Hazard/ dangers for personnel and how they will be overcome
- Statistics that will be used
- Do you need collaborators, subcontractors,...? If so document their expertise and describe their function and relation to the aim.
- Ethical issues: animal and human experiments, supporting documentation accompanying the proposal.

The golden rule is KISS – keep it simple and stupid ©!



Example of general project design





Background study on existing projects

 Cordis webpages, web databases, e.g. <u>http://www.healthcompetence.eu</u>

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| | Here you can search the list health related projects. Pleas use the filter below to limit ti list and find the project of you interest. | se his Y Z All ur | HIJKLMNOF | Q R S T U V W X | |
| | Filter Settings Organisations » Persons » Thematic areas » Keywords » Countries » Instrument » Ongoing in year » | Scientific coordinator: Anne Paole Period: 2011-10-01 - 2013-09-30 Cytokinesis is a critical and irrev consequently subject to strict spa geometry of the cell are necessa LEARNING AND MEMORY - The of learning and memory, incl Scientific coordinator: Henrik Zet Period: 2011-08-01 - 2013-07-31 | ersible step of cell cycle, which eventually se tial and temporal regulations. Spatial integra ry to determine the : zebrafish as a new vertebrate model fr uding synaptic dysfunction in Alzheimer terberg () | parates daughter cells. This event is tion of the DNA distribution and the global or molecular and cellular mechanisms r's disease » | |
| | Reset | substantial portion of our populat GENSTAGE - Genome Stability Scientific coordinator: Christian K Period: 2011-07-01 - 2016-06-30 Genome Instability has been recc | flar () ognized as causal factor of cancer and recent emature aging-like) syndromes are linked to | ly also as a major contributing factor of | |
| All Server | Э (Ф) СОМ (П) 2012- (П) | Scientific coordinator: Alexander Period: 2011-06-01 - 2014-05-31 Autoimmune skin diseases like p: cells differentiate into different T skin infiltrating T cells mainly sho | soriasis and atopic dermatitis are in part CD4 helper cell lineages with distinct cytokine pro | T cell mediated. After stimulation, CD4 T | · 6월 반기 페이 22.52 |

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Consultation with the grant provider

- Is your topic the right one?
- What is expected from the grant provider?
- Does your proposal correspond to the call description?
- Do you understand the call correctly?
- Information days and seminars, e-mail, phone calls, meeting in Brussels, ...

Consultation with the grant provider idealy before call official opening => smaller competition!



2 – Impact



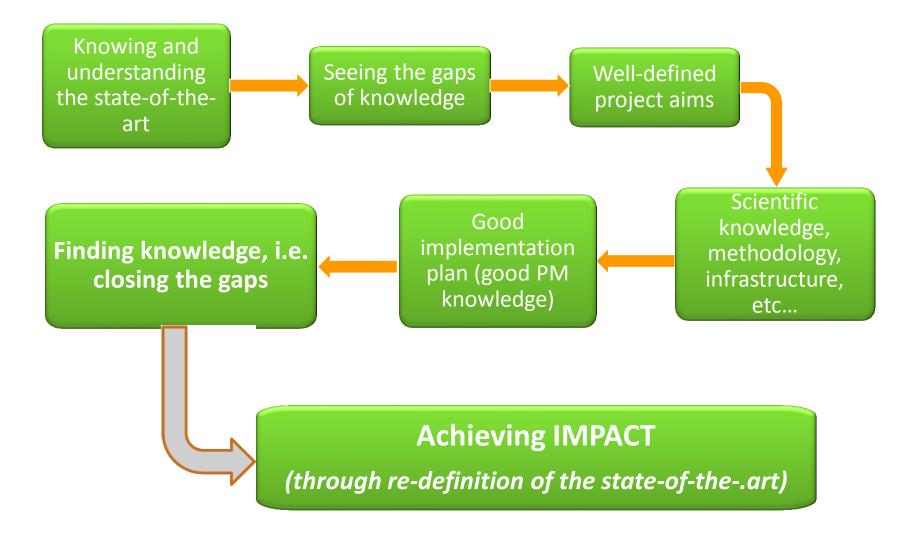
Impact – what is it?

The key is answering the following questions:

- The scientific/societal impacts of the results
 - What will be the results of the project?
 - What / Who are the results for target group?
 - What differences they can bring about / why are the results needed?



Impact throughout the project proposal





Impact in H2020 – evaluation

- IMPACT is one of 3 (up to 6) evaluation criteria
- The role of IMPACT has increased in H2020
- "Writing" the IMPACT must be more elaborate than it used to be in FP7
- The weight of the criteria in the collaborative H2020 projects:
 - SCIENCE (50%, 3/5)
 - IMPACT(30%, 3/5)
 - IMPLEMENTATION (20%, 3/5)



Impact in example of H2020 call

SC1-PM-04–2016: Networking and optimising the use of population and patient cohorts at EU level

- Specific Challenge: Population cohorts are invaluable resources to obtain detailed description of individual biological variations in connection with a variety of environmental, pathogenic, occupational, societal, and lifestyle determinants that influence the onset and evolution of diseases. Europe currently has some of the most valuable population and patient cohorts, including well annotated clinical trial cohorts. However, the lack of integration of these cohorts hampers the optimal exploitation of these resources, essential to underpin and facilitate the development of stratified and personalised medicine9.
- Scope: Proposals should aim at maximizing the exploitation of cohorts by bringing together national and/or European cohorts with common scientific interests (e.g. across diseases, children, mothers, elderly, birth, gender, etc.), and by taking advantage of new technologies (e.g. ICT, social platforms, etc.) and new type of data (e.g. geographical, genetic, eHealth records, etc.). Based on those cohorts using a comprehensive integration strategy to facilitate hypothesis-driven research, data sharing, harmonisation and analysis, proposals should provide expanded resources and knowledge on health and disease determinants, onset and course of diseases (including aspects of co-morbidity and/or co-infections), clinical, public health and socio-economic research. Synergies with relevant existing European infrastructures and additional collaborations with relevant international initiatives are encouraged. Proposals should also engage with relevant international/national/regional authorities to ensure that findings are implemented and translated into health policy.
- The Commission considers that proposals requesting a contribution from the EU of between EUR 8 and 10 million would allow this specific challenge to be addressed appropriately. Nonetheless, this does not preclude submission and selection of proposals requesting other amounts.

Expected Impact: Expected impacts include one of or a combination of the following point(s):

- 1. Make major conceptual, methodological and analytical contributions towards integrative cohorts and their efficient exploitation.
- 2. Contribute to providing novel information on health maintenance, onset and course of diseases, or population stratification, with a view to tailor diagnosis or to optimise prevention and treatment.
- 3. Provide the evidence base for the development of policy strategies for prevention, early diagnosis, therapies, health economics as well as addressing health inequalities. Wherever relevant, evidence for economic evaluation of interventions should also be included.

Optimise the use of population cohorts in defining/improving clinical practice and public health policy.



Impact in H2020 – how to approach it

- Consider Impact at the very beginning
- Consults relevant EU and H2020 policies and documents (GO CEITEC MU) – Work Programmes, Europe2020...
- Consider different dimensions of Impact
- Identify and exercise your influence on the Impact



Basic dimensions of IMPACT

- Stakeholders
 - (your) **scientific community** (all levels of it)
 - Society you (might) live in and its institutions
 - Your funder, i.e. the aims of the grant scheme/programme
- Time immediate or short-term or long-term impact
- Control / Influence



Examples – Impact

| immediate | intermediate | long-term |
|---|--|---|
| Scientific: Innovative research beyond state of the art Identify ncRNA expression patterns Identify ncRNA druggable targets Standardization of procedures Database PAINBASE | Scientific New ncRNA based druggable targets new ncRNA based biomarkers for pain ncRNAs in nociception + endog. analgesia Emotional + cognitive components of pain Translational impact: ncRNA based pain treatment | Scientific: Understand the biological role of ncRNAs in pain syndromes and other neurological diseases Validate ncRNA compounds in clinics Leadership in genetic studies in pain |
| For health care providers + patients: • Standardisation of clinical SOPs | ncRNA based clinically applicable test kits Patient stratification + risk assessment | For health care providers +patients: • Guidelines for patient stratification and mechanism-based treatment selection |
| Clinical training | For health care providers + patients: • Improved patient stratification and | Individual risk assessment + prevention measures |
| Consortium: Accelerate scientific progress by | mechanism-based treatment selection Individual risk assessment + prevention | Cure patients with ncRNA based drugs Consortium: |
| complementary expertise Data sharing | measures | Support junior scientists |
| Support scientific leadership of consortium partners | Consortium: Expand scientific leadership of consortium | Develop innovative Horizon2020 initiative |
| Attract and employ best qualified scientific staff | Innovation by data mining + sharing Efficient collaboration + new ideas | Promote and support global competitiveness and leadership |
| Economic: | Economic Support European SME in ncRNA drug | Economic: • Commercialization of kits and novel |
| Expand innovative potential and market leadership for European SME in ncRNA | discovery | ncRNA drugs |
| molecular biology | Expand SME profile into clinically applicable products | Europe and all over the world: |
| Europe: • Increase profile of European Pain | Europe: | Alleviate the burden of public health by curing chronic pain |
| Increase profile of European Pain research Improve the progress of European RTD | Increase profile of European Pain research Improve the progress of European RTD | Improve quality of life Enhanced social awareness |

Scientific knowledge

New clinical applications and ncRNA compounds

Impact – measures to maximize it

- Good dissemination and exploitation plan
- Open Access mandatory in H2020
- Open Data voluntary, but we should join!
 - Insitituional repositories
 - ZENODO repository supported by the EU, own webspace, both paper (including "ferey" literature" and connected data (<u>http://zenodo.org/</u>)



Example: Dissemination – communication target groups

| | European Commision | Scientific (medical) community | Business / industry | Patients | General Public | Any other relevant specific group (NGOs, students,) |
|-------------------------|--------------------|-----------------------------------|------------------------|----------|-------------------|---|
| Public website | | | | | | |
| Intranet | | | | | | |
| Flyer/leaflet | | | | | | |
| Scientific publications | | | | | | |
| Other article | | | | | | |
| Interviews | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |



Example of impact scheme

| | Research community | Students | Industrial partners | General public | Policy makers |
|--|--|---|---|---|--|
| Scientific publications | KPI increase – citations | attracting talented and motivated students through top results | presentation of applicable results | | |
| Conferences (external) | new collaborations KPI increase – citations | attracting talented and motivated students through interactions | presentation of applicable results and interactions | | presenting value of international collaboration |
| Workshops, seminars, conferences (internal) | new collaborations through invited speakers | attracting talented and motivated students through interactions | presentation of applicable results and interactions | | presenting value of international collaboration |
| Summer schools | new collaborations through invited speakers | attracting talented and motivated students through interactions | | | |
| Website | occasional visits | presentation of strong training programme | occasional visits | occasional visits | |
| Newsletter | strengthening profile – presentation of achievements | presentation of strong training programme | highlighting application relevant achievements | showing research relevance for society | |
| Press releases (media) | strengthening profile – presentation of achievements | strengthening profile – presentation of achievements | strengthening profile – presentation of achievements | showing research relevance for society | presenting value of international collaboration showing research relevance for society |
| Researchers' Nights | | attracting talented and motivated students through interactions | | popularization presenting CZ as equal partner to old EU MS | |
| Open Days | | attracting talented and motivated students through interactions | | popularization presenting CZ as equal partner to old EU MS | |
| Policy boards and committees | Diamintin | | mining support for academia-industry collaboration | | showing value of international collaboration increasing awareness about societal relevant of research |

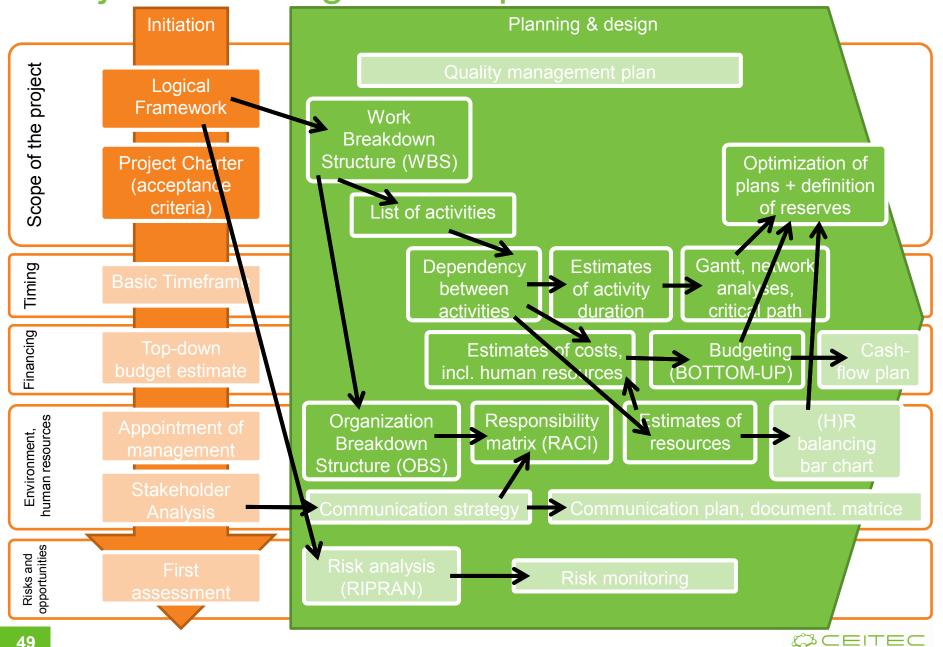
Figure 16: Dissemination and communication of project achievements - measures and target groups

2.2.1 Dissemination and exploitation of results

3 – Implementation



Project Planning Techniques and Tools



Work Plan



Project Charter



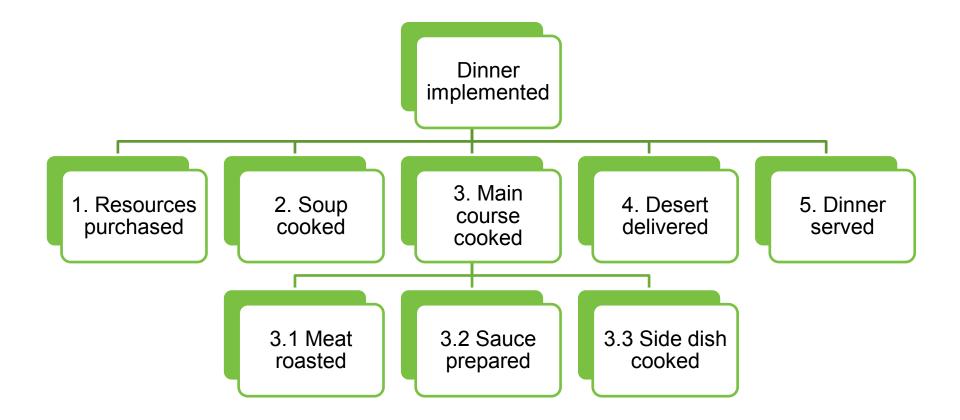


Work Breakdown Structure (WBS)

- WBS is a hierarchical decomposition of the total work scope on the project
- Developed in planning stage (based on logical framework)
- No pre-defined number of levels (usually 3-4)
- Responsibility for each box can be allocated to a single person
- The lowest level Work Package
- Work Package is an output, not an activity

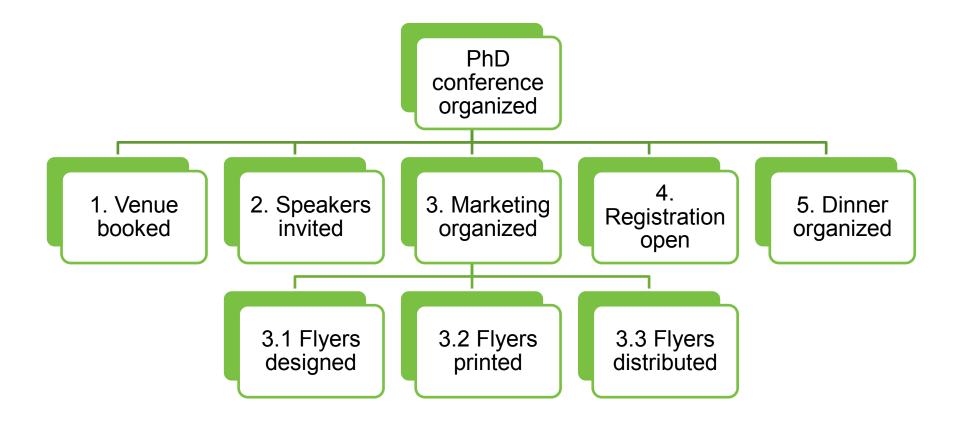


Work Breakdown Structure (WBS)





Work Breakdown Structure (WBS)





Work packages

 Work package is a set of activities required to produce a major project output (i.e. a tangible result, deliverable). It is characterized by effort and time and may cover a single task or several related tasks.

| | | | | | eπort | tir | ne |
|-----------------------|--|---------------------|---------------------------|-----------------------------------|-------------------|----------------|--------------|
| Work package No | Work package title | Type of activity | Lead participant No | Lead participant short name | Person- months | Start month | End month |
| WP1 | Setting and activating the scene | SUPP | 1 | JIC | 9.50 | 1 | 6 |
| WP2 | State-of-Play directory and analysis | SUPP | 5 | СВМ | 36.50 | 1 | 12 |
| WP3 | Mentoring and mutual learning | SUPP | 4 | AREA | 39.75 | 6 | 24 |
| WP4 | Joint Action Plan towards integration | SUPP | 2 | MU | 40.00 | 21 | 36 |
| WP5 | Dissemination & Information management | SUPP | 4 | AREA | 22.25 | 1 | 36 |
| WP6 | Project coordination and assessment | MGT | 1 | JIC | 13.50 | 1 | 36 |
| | | | | TOTAL | 161.50 | | |



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Work package collaborative H2020 project

| Workpackage number | 1 | Start date or starting e | event | Month |
|----------------------------------|---|--------------------------|--------------|-------|
| Workpackage title | | - | | |
| Participant number | | | | |
| Short name of participant | | | | |
| Person/months per participant | | | | |
| Start month | | | End month | |
| Objectives 1. | | | | |
| Description of work | | | | |
| Task 1.1: Task 1.2 | | | | |
| Deliverables: | | | | |
| D1.1 | | | | |
| D1.2 | | | | |

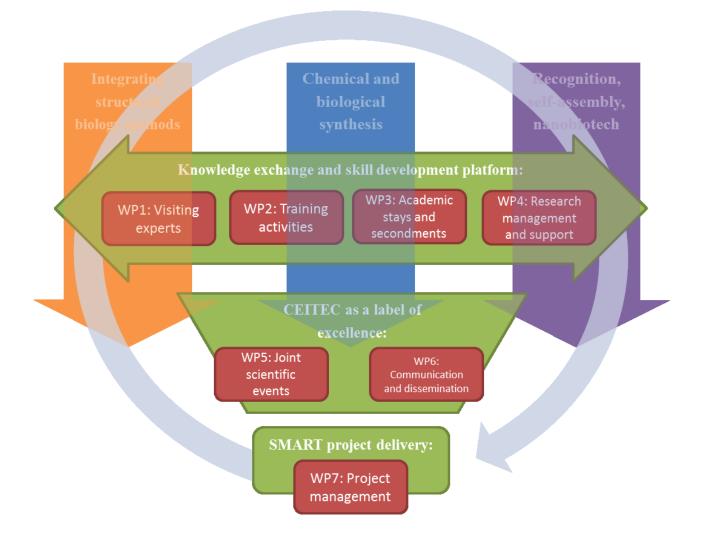
Milestones:

M1.1

M1.2

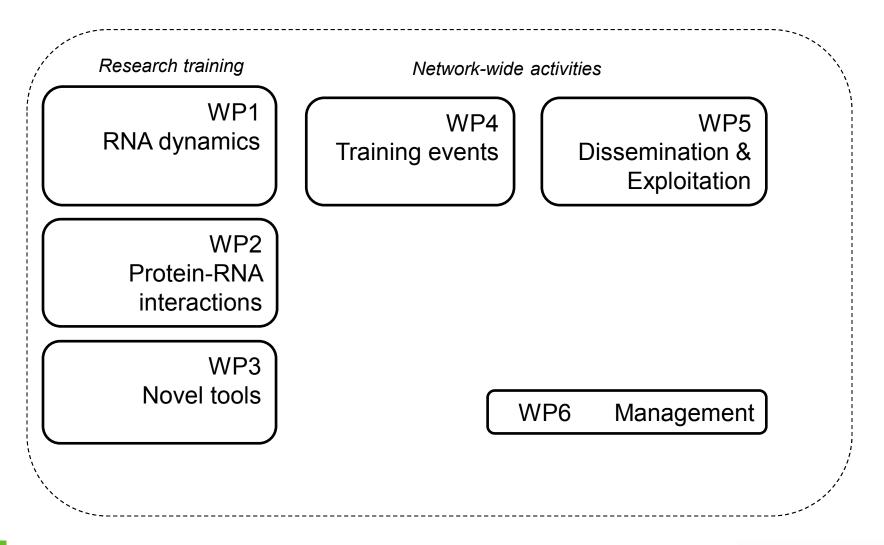


Work packages - Example





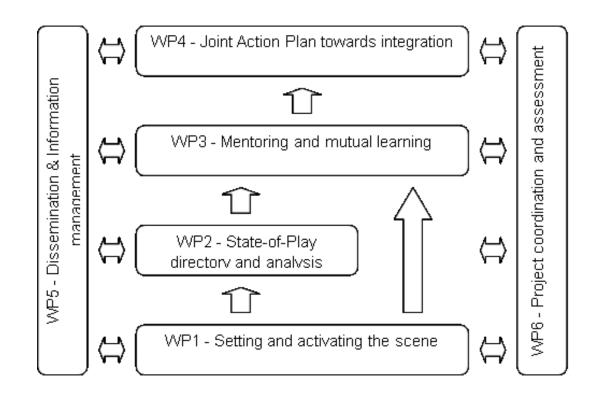
Work package - Example





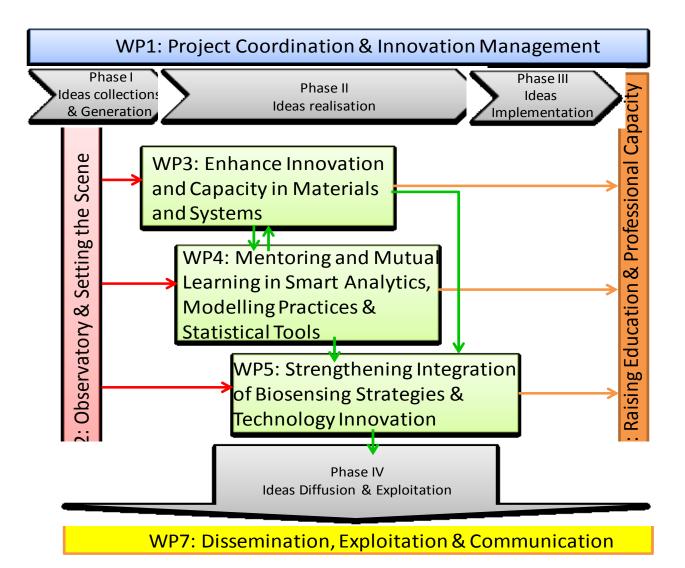
PERT chart

 Pert chart is a network diagrame which represents interdependencies between and among work packages





Another example of a PERT chart





Deliverable

- Deliverable is a tangible or intangible result of the project to be delivered and accepted by the customer / grant provider
- Deliverable differs from milestone: milestone is a measurement of progress towards an output whereas the deliverable is the result of the process
- Examples: report, document, server upgrade, functional design, prototype, web portal, knowledge base, publication, business plan, kick-off meeting minutes...



Example: List of Deliverables

| D1.1Mid-term report on expert visits1CEITECRPUM18D1.2Final report on expert visits1CEITECRPUM36D2.1Training plan2UJFRPUM66D2.2Career development plans of jointy supervised PD budents2UJFRPUM18D2.3Mid-term training report2UJFRPUM18D2.4Final training report2UJFRPUM18D3.1Secondment plan3UEARPUM18D3.3Final secondment report3UEARPUM36D4.1Management knowledge transfer report3UEARPUM21D5.1Annual report on strategic events5CEITECRPUM24Year 1Year 3SCEITECRPUM36D6.1Communication, dissemination, report6UNIVIERPUM18D6.3Final communication, report6UNIVIERPUM36D6.3Final communication, report7CEITECRPUM36D7.1List of CEITEC TCU Upublications7CEITECRPUM36D7.2Periodic report7CEITECRPUM36D7.3Final communication, report7CEITECRPUM36D7.2Final report7CEITECRPUM36 | Deliverable (number) | Deliverable name | Work package number | Short name of lead participant | Туре | Dissemination level | Delivery date |
|--|-------------------------|----------------------------------|---------------------------|--------------------------------------|------|------------------------|------------------|
| D2.1Training lan2UJFRPUM6D2.2Career development plans of jointly supervised PhD students2UJFRCOM9D2.3Mid-term training report2UJFRPUM18D2.4Final training report2UJFRPUM36D3.1Secondment plan3UEARPUM18D3.2Mid-term secondment report3UEARPUM18D3.3Final secondment report3UEARPUM36D4.1Management knowledge transfer report4CEITECRPUM21D5.1Annual report on strategic events Year 15CEITECRPUM36D5.2Annual report on strategic events Year 25CEITECRPUM36D6.1Communication, dissemination, and exploitation plan6UNIVIERPUM36D6.2Final communication, dissemination, and exploitation report6UNIVIERPUM36D6.3Final communication, dissemination, and exploitation report6UNIVIERPUM36D6.3Final communication, for the last 3 years7CEITECRPUM36D7.2Periodic report7CEITECRPUM36 | D1.1 | Mid-term report on expert visits | 1 | CEITEC | R | PU | M18 |
| D2.2Career development plans of jointly supervised PhD students2UJFRCOM9D2.3Mid-term training report2UJFRPUM18D2.4Final training report2UJFRPUM36D3.1Secondment plan3UEARPUM6D3.2Mid-term secondment report3UEARPUM18D3.3Final secondment report3UEARPUM36D4.1Management knowledge transfer report4CEITECRPUM21D5.1Annual report on strategic events Year 15CEITECRPUM24D5.2Annual report on strategic events Year 25CEITECRPUM36D6.1Communication, dissemination, dissemination, and exploitation report6UNIVIERPUM18D6.3Final communication, dissemination, and exploitation report6UNIVIERPUM36D6.3Final communication, dissemination, and exploitation report6UNIVIERPUM36D6.3Final communication, for the last 3 years7CEITECRPUM36D7.2Periodic report7CEITECRPUM36 | D1.2 | Final report on expert visits | 1 | CEITEC | R | PU | M36 |
| jointly supervised PhD students D2.3 Mid-term training report 2 UJF R PU M18 D2.4 Final training report 2 UJF R PU M36 D3.1 Secondment plan 3 UEA R PU M61 D3.2 Mid-term secondment report 3 UEA R PU M18 D3.3 Final secondment report 3 UEA R PU M36 D3.3 Final secondment report 3 UEA R PU M36 D3.3 Final secondment report 3 UEA R PU M36 D4.1 Management knowledge transfer report 4 CEITEC R PU M12 D5.1 Annual report on strategic events Year 1 5 CEITEC R PU M36 D5.2 Annual report on strategic events Year 2 5 CEITEC R PU M36 D6.3 Communication, dissemination, and exploitation report | D2.1 | Training plan | 2 | UJF | R | PU | M6 |
| DefineFinal training report2UJFRPUM36D3.1Secondment plan3UEARPUM46D3.2Mid-term secondment report3UEARPUM18D3.3Final secondment report3UEARPUM36D4.1Management knowledge transfer report4CEITECRPUM21D5.1Annual report on strategic events Year 15CEITECRPUM24D5.2Annual report on strategic events Year 25CEITECRPUM36D5.3Annual report on strategic events Year 35CEITECRPUM36D6.1Communication, dissemination, and exploitation plan6UNIVIERPUM18D6.3Final communication, report6UNIVIERPUM36D6.3Final communication, for the last 3 years7CEITECRPUM36D7.2Periodic report7CEITECRPUM36 | D2.2 | * * | 2 | UJF | R | СО | M9 |
| D3.1Secondment plan3UEARPUM6D3.2Mid-term secondment report3UEARPUM18D3.3Final secondment report3UEARPUM36D4.1Management knowledge transfer report4CEITECRPUM21D5.1Annual report on strategic events Year 15CEITECRPUM12D5.2Annual report on strategic events Year 25CEITECRPUM24D5.3Annual report on strategic events Year 35CEITECRPUM36D6.1Communication, dissemination, and exploitation plan6UNIVIERPUM18D6.3Final communication, dissemination, and exploitation report6UNIVIERPUM36D6.3List of CEITEC MU publications for the last 3 years7CEITECRPUM36D7.2Periodic report7CEITECRPUM36 | D2.3 | Mid-term training report | 2 | UJF | R | PU | M18 |
| D3.2 D3.3Mid-term secondment report3UEARPUM18D3.3 D4.1Final secondment report3UEARPUM36D4.1Management knowledge transfer report4CEITECRPUM21D5.1Annual report on strategic events Year 15CEITECRPUM12D5.2Annual report on strategic events Year 35CEITECRPUM24D5.3Annual report on strategic events Year 35CEITECRPUM36D6.1Communication, dissemination, and exploitation plan6UNIVIERPUM18D6.3Final communication, report6UNIVIERPUM36D6.3Final communication, report6UNIVIERPUM36D7.1List of CEITEC MU publications for the last 3 years7CEITECRPUM36D7.2Periodic report7CEITECRPUM36 | D2.4 | Final training report | 2 | UJF | R | PU | M36 |
| D3.3Final secondment report3UEARPUM36D4.1Management knowledge transfer report4CEITECRPUM21D5.1Annual report on strategic events Year 15CEITECRPUM12D5.2Annual report on strategic events Year 25CEITECRPUM24D5.3Annual report on strategic events Year 35CEITECRPUM36D6.1Communication, dissemination, and exploitation plan6UNIVIERPUM18D6.2Mid-term communication, dissemination, and exploitation report6UNIVIERPUM36D6.3Final communication, for the last 3 years7CEITECRPUM36D7.2Periodic report7CEITECRPUM36 | D3.1 | Secondment plan | 3 | UEA | R | PU | M6 |
| D4.1Management knowledge transfer report4CEITECRPUM21D5.1Annual report on strategic events Year 15CEITECRPUM12D5.2Annual report on strategic events Year 25CEITECRPUM24D5.3Annual report on strategic events Year 35CEITECRPUM36D6.1Communication, dissemination, and exploitation plan6UNIVIERPUM18D6.2Mid-term communication, dissemination, and exploitation report6UNIVIERPUM36D6.3Final communication, dissemination, and exploitation report6UNIVIERPUM36D7.1List of CEITEC MU publications for the last 3 years7CEITECRPUM36D7.2Periodic report7CEITECRPUM36 | D3.2 | Mid-term secondment report | 3 | UEA | R | PU | M18 |
| reportD5.1Annual report on strategic events Year 15CEITEC CEITECRPUM12D5.2Annual report on strategic events Year 25CEITEC CEITECRPUM24D5.3Annual report on strategic events Year 35CEITEC CEITECRPUM36D6.1Communication, dissemination, and exploitation plan6UNIVIE UNIVIERPUM18D6.2Mid-term communication, dissemination, and exploitation report6UNIVIE RPUM36D6.3Final communication, dissemination, and exploitation report6UNIVIE RPUM36D7.1List of CEITEC MU publications for the last 3 years7CEITEC RPUM18D7.2Periodic report7CEITECRPUM18 | D3.3 | Final secondment report | 3 | UEA | R | PU | M36 |
| Year 1D5.2Annual report on strategic events Year 25CEITECRPUM24D5.3Annual report on strategic events Year 35CEITECRPUM36D6.1Communication, dissemination, and exploitation plan6UNIVIERPUM6D6.2Mid-term communication, dissemination, and exploitation report6UNIVIERPUM18D6.3Final communication, dissemination, and exploitation report6UNIVIERPUM36D6.3Final communication, dissemination, and exploitation report6UNIVIERPUM36D7.1List of CEITEC MU publications for the last 3 years7CEITECRPUM3D7.2Periodic report7CEITECRPUM18 | D4.1 | | 4 | CEITEC | R | PU | M21 |
| Ven 2Year 2D5.3Annual report on strategic events Year 35CEITEC NIVIERPUM36D6.1Communication, dissemination, and exploitation plan6UNIVIE NIVIERPUM6D6.2Mid-term communication, dissemination, and exploitation report6UNIVIE NIVIERPUM18D6.3Final communication, dissemination, and exploitation report6UNIVIE NIVIERPUM36D6.3Final communication, dissemination, and exploitation report6UNIVIE RPUM36D7.1List of CEITEC MU publications for the last 3 years7CEITEC RPUM3D7.2Periodic report7CEITEC RPUM18 | D5.1 | | 5 | CEITEC | R | PU | M12 |
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| And and exploitation planD6.2Mid-term communication, dissemination, and exploitation report6UNIVIE RPUM18D6.3Final communication, dissemination, and exploitation report6UNIVIE RPUM36D6.3Final communication, dissemination, and exploitation report6UNIVIE RPUM36D7.1List of CEITEC MU publications for the last 3 years7CEITEC RPUM3D7.2Periodic report7CEITEC RPUM18 | D5.3 | 1 0 | 5 | CEITEC | R | PU | M36 |
| dissemination, and exploitation report6UNIVIERPUM36D6.3Final communication, dissemination, and exploitation report6UNIVIERPUM36D7.1List of CEITEC MU publications for the last 3 years7CEITECRPUM3D7.2Periodic report7CEITECRPUM18 | D6.1 | | 6 | UNIVIE | R | PU | M6 |
| dissemination, and exploitation report7CEITECRPUM3D7.1List of CEITEC MU publications for the last 3 years7CEITECRPUM3D7.2Periodic report7CEITECRPUM18 | D6.2 | dissemination, and exploitation | 6 | UNIVIE | R | PU | M18 |
| for the last 3 yearsD7.2Periodic report7CEITECRPUM18 | D6.3 | dissemination, and exploitation | 6 | UNIVIE | R | PU | M36 |
| | D7.1 | 1 | 7 | CEITEC | R | PU | M3 |
| D7.3 Final report 7 CEITEC R PU M36 | D7.2 | Periodic report | 7 | CEITEC | R | PU | M18 |
| | D7.3 | Final report | 7 | CEITEC | R | PU | M36 |

^[1] R: Document, report; DEC: Websites, patents filing, market studies, press & media actions, videos, etc.; OTHER: Software, technical diagram, etc. PU = Public, fully open, e.g. web; CO = Confidential, restricted under conditions set out in Model Grant Agreement; CI = Classified, information as referred to in Commission Decision 2001/844/EC.



Milestone

- Milestone is a measurement of progress towards an output. It is a decision point and control gate within the work plan
- Milestones are decisions influencing further progress of the project



List of Milestones

| Milestone | Milestone name | Related work | Estimated | Means of verification |
|-----------|--|---------------------|-----------|---|
| number | | package(s) | date | |
| M1.1 | Project started | WP1 | M1 | Kick-off Meeting |
| M1.2 | Project running on schedule | WP1 | M18 | Mid-Review Meeting |
| | | | | KPI Mid-Review |
| M2.1 | TWINFUSYON Website operational | WP2 | M3 | Website running |
| M2.2 | Collaborative platform and open network scheme establishment | WP2 | M18 | Database of organisations, industry, stakeholders with 500 inputs |
| M3.1 | Schools/Workshops scheme on | WP3 | M18 | Event executed/ |
| | materials innovation running | | | Statistic on participation available |
| M3.2 | YOUNG research group running | WP3 | M24 | Group of at least 3 people with 2 submitted papers running |
| M4.1 | Access to CEITEC core facilities enabled | WP4 | M18 | At least 3 applications activated through consortium |
| M4.2 | Evaluation/Revision and implementation of best practices on analytics & modelling | | 24 | Number of trainings executed and papers published/submitted on related subject |
| M5.1 | Efficiency of secondments plan | WP5 | M24 | 2/3 of secondments executed |
| M5.2 | Decision on Materials/Technology Priorities and Strategies for Technology Implementation | WP5 | M29 | Good practices in optronic biosensing recommendations towards exploitation formulated |
| M6.1 | Schools action plan running | WP6 | 13 | 1 st /2 nd Schools executed/ |
| | | | | Statistic on participation available |
| M6.2 | Mobility program running smoothly | WP6 | 18 | A number of mobility actions executed and statistic on participation available |
| M6.3 | Educational instruments working | WP6 | 15 | e-Library and e-Lab running 500 access executed |
| M6.4 | Schools program towards effective completition | WP6 | M30 | 3 rd -4 th School executed/ Statistic on participation available |
| M7.1 | Evaluation/Analysis of the stakeholder initiatives/groups networking with TWINFUSYON | WP7 | 12 | 50-100 stakeholder contacts and data included in database of WP2 |
| M7.2 | Evaluation/revision of dissemination/communication plan | | 18 | Planned dissemination/communication events executed according to quantification criteria at pgs XXX |



Template and example: List of Milestones

Table 3.2a: List of milestones

| Milestone number | Milestone name | Related work package(s) | Estimated date ¹ | Means of verification ² |
|---------------------|-------------------|----------------------------|-----------------------------|---------------------------------------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
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| | | | | |
| | | | | |

B 1.3.7 List of milestones and planning of reviews

| | List an | d sched | ule of miles | stones | |
|------------------|---|--------------|---------------------|--|----------|
| Milestone no. | Milestone name | WPs no's. | Lead beneficiary | Delivery date from Annex I ¹ | Comments |
| M1.1 | SynBIOsis collaborative regional executive platform and open network scheme established | WP1 | лс | 4 | |
| M2.1 | Analytical framework drafted | WP2 | лс | 5 | |
| M2.2 | RTD directory created | WP2 | CBM | 9 | |
| M2.3 | SWOT including needs and complementarities identified, analyzed, compared and verified | WP2 | СВМ | 11 | |
| M3.1 | Personal links between academia and industry established | WP3 | MU | 15 | |
| M3.2 | Exchange of personnel and study visits between academia and industry performed | WP3 | СВМ | 20 | |
| M3.3 | Good practice recommendations towards integration on a trans-regional level formulated and verified | WP3 | AREA | 24 | |

Month in which the milestone will be achieved. Month 1 marking the start date of the project, and all delivery dates being relative to this start date.

1



¹ Measured in months from the project start date (month 1)

³ Show how you will confirm that the milestone has been attained. Refer to indicators if appropriate. For example: a laboratory prototype that is 'up and running'; software released and validated by a user group; field survey complete and data quality validated.

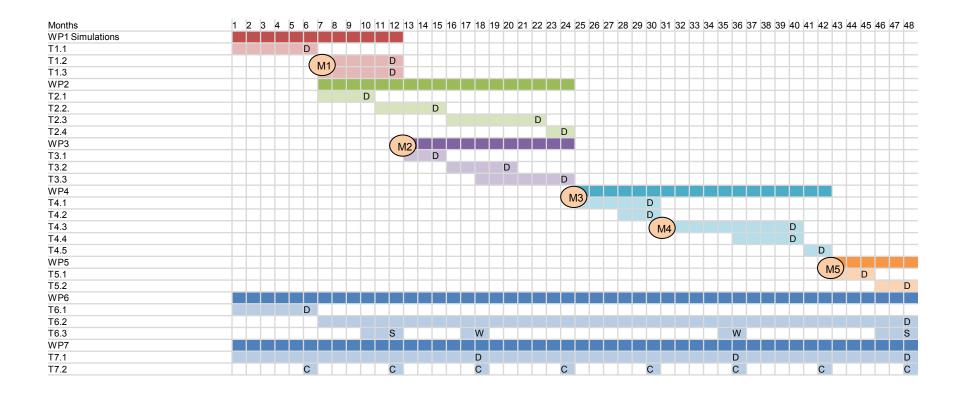
Milestones - example

| Milestone number | Milestone name | WP | Due month | Means of verification |
|---------------------|--|----|--------------|--|
| MS1.1 | Research groups identified | 1 | M3 | List of research groups and lacking expertise authorized by the Steering Committee |
| MS1.2 | Research group leaders identified | 1 | M9 | Ranking list authorized by the Steering Committee |
| MS2.1 | Jointly supervised/co- supervised PhD positions advertised | 2 | M9 | PhD themes published on partner websites |
| MS3.1 | Key application partners identified | 3 | M6 | Three proposed strategic partners per research theme listed, list authorized by the Steering Committee |
| MS3.2 | Phase 2 incorporated in regional S3 action plan | 3 | M12 | Steering Committee informed by RIS JMK Research Working Group |



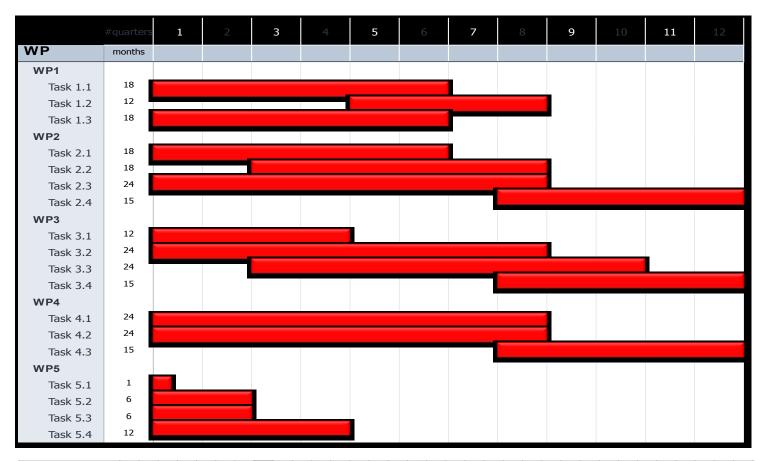
GANTT Chart – tasks and milestones

Gantt chart is a graphical presentation of Project schedule.
 It describes timing of tasks and milestones.





Gantt chart



| Project: miRNA in | | year 1 | | | | | | | year 2 | | | | | | | | | year 3 | | | | | | | | | | | | | | | |
|--------------------|-----|--------|-------|------|-----|------|----------------|------|--------|------|-----|------|-----|-----|------|------|-----|--------|----|-----|-----|------|------|--------|------|------|-----|-----|---|---|----|----|----|
| CLL | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| specific aim 1 | miF | R-15 | 60 fu | inct | ion | in B | CR | | | | | | | | | | | | | | | | | | | | | | | | | | |
| specific aim 2 | | | | | | | scre | eeni | ng c | of m | iRN | As (| BCR | and | ladl | hesi | on) | | | | | | | | | | | | | | | | |
| specific aim 3 | | | | | | | miR-: progr | | | | | | | | | | | | | pro | gno | stic | sigr | nifica | ance | e of | miR | NAs | ; | | | | |
| manuscript writing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



GANTT Chart - examples

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | |
|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|
|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|

| | Task 1.1: SRL | 1 2 3 | | | | | | | |
|------------------------------------|----------------------------------|--|--|--|--|--|--|--|--|
| | TASK 1.1. SRL | Aim 1. Structure determination of LRV RdRp | | | | | | | |
| | Taks 1.2: G-NDA | Large scale LRV RdRP production | | | | | | | |
| | Taks 1.3: B-DNA | Determination of RdRP crystallization conditions | | | | | | | |
| | | RdRP X-ray data collection and structure determination | | | | | | | |
| | Taks 1.4: Kink-turn | Determination of the structure of RdRP in complex with inhibitors | | | | | | | |
| | Task 2.1: xopt development | Aim 2. Structural analysis of Leishmania cells under phagosome conditions | | | | | | | |
| | | Preparation of LRV+ and LRV- Leishmania cells | | | | | | | |
| | Task 2.1 restraint optimizations | Optimization of FIMB protocols for preparation of thin cells of Leishmania cells | | | | | | | |
| | Task 3.1 benchmark small | Cryo-EM of LRV virions in phagosome conditions | | | | | | | |
| | Task 3.2 benchmark large | Calculation of LRV virion particle reconstruction | | | | | | | |
| | Ŭ | Cryo-ET of LRV-1 in phagosome conditions | | | | | | | |
| | Task 4.1: carrer development | Aim 3. Structural insights into the dsRNA release from the LRV | | | | | | | |
| | Task 5.1: website | Large scale LRV-1 production | | | | | | | |
| | Task 5.2: outreach | Optimization of protocols for vitrification of LRV on Cryo-EM grids | | | | | | | |
| | Task 5.2. Outreach | Cryo-EM data acquisition and 3D particle reconstruction and analysis | | | | | | | |
| | | Cryo-ET data acquisition and 3D particle reconstruction and analysis | | | | | | | |
| calculations 	writing 	programming | other | | | | | | | | |
| | | | | | | | | | |

RESEARCH ACTIVITY

YEAR

Gantt Chart Example

| Months | 1 | 2 | 3 4 | 15 | 8 | 7 8 | 9 | 10111213 | 14 15 1 | 61718 | 319202 | 12223 | 2425 | 262728 | 82930 | 31 32 33 | 343536 |
|--|---|---|-----|-----|---|-----|----|----------|---------|-------|-------------|-------|------|--------|-------|----------|-------------------|
| WP1 Visiting experts | | | | | | | | | | | | | | | | | D, |
| T1.1 Invited speakers and lecturers | | | | | | | | | | | £۲ | | | | | | <u>-</u> |
| T1.2 Invited members of PhD committees | | | | | | | | | | | \sim | | | | | | |
| WP2 Training activities | | | | | D | | D | | | | | | | | | | D |
| T2.1 Interdisciplinary and soft skill development platform | | | | 77 | | | | | | | | | | | | | |
| T2.2 Joint supervision of PhD students | | | | | | | 73 | 7 | | | | | | | | | |
| T2.3 Contributions to PhD retreats/conferences | | | | | | | ĺ. | | | | | | | | | | |
| WP3 Academic stays and secondments | | | | | D | | | | | D | | | | | | | D, |
| T3.1 Short-term secondments | | | | ∽ | 1 | | | | | - | <u>^</u> | | | | | | <u>-</u> <u>-</u> |
| T3.2 Mid-term secondments | | | | | | | | | | | \sim | | | | | | ^ |
| WP4 Research management and support | | | | | | | | | | | | | | | | | |
| T4.1 Project management/grant office staff exchange | T | | | | | | | | | | ~ | | | | | | |
| T4.2 Good practice in research management workshop | | | | | | | | | | N | \varkappa | | | | | ~ | |
| WP5 Joint scientific events | | | | | | | | D | | | | | D | | | A | D, |
| T5.1 Workshops and conferences | | | | | W | | | W | | V | X | | W | | С | | 7 |
| T5.2 Summer schools | Т | | | Т | П | | | | | S | | | | | | | Ś |
| WP6 Communication and dissemination | | | | ,, | D | | | | | | | | | | | | D |
| T6.1 BISON website | | П | | × | П | | | | | | | | | | | | |
| T6.2 Newsletter | | | | | | | | | | | | | | | | | |
| T6.3 Attendance to scientific conferences | | | | | | | | | | | | | | | | | |
| T6.4 Communication towards the wider public | | | | | | | | | | | | | | | | | |
| WP7 Project management | | | D | | | | | | | | | | | | | | D |
| T7.1 Project governance meetings | K | | | | Е | | | т | | E | | | т | | E | | Т |
| T7.2 Progress reporting | | | ☆ | - | | | | | | | | | | | | | |
| T7.3 Monitoring the improvement brought by Twinning | | | | · . | | | | | | | | | | | | | 7 |

D - deliverable; W - workshop; C - conference; S - summer school; K - kick-off meeting; E - Executive Board meeting, T - Scientific Steering Committee meeting

🛣 - milestone

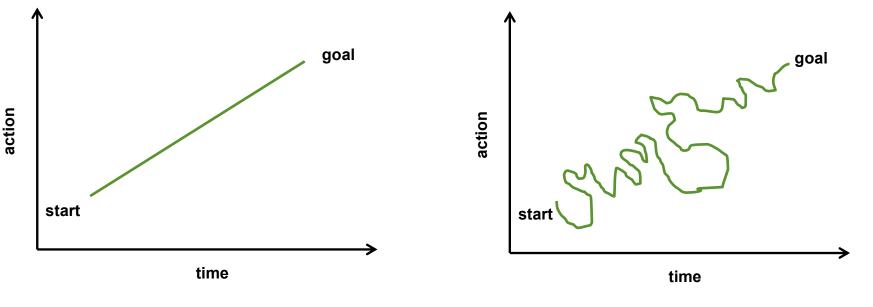


Project management



Time management principles

How we think projects evolves...





Q: Is time like a sail boat or a motor boat? A: It's more like a sail boat shifting in the wind

What the reality demonstrates



Scheduling

What do you manage?

- You DO NOT manage time
- You DO manage your commitments

A Contraction of the second se

How to manage your commitments?

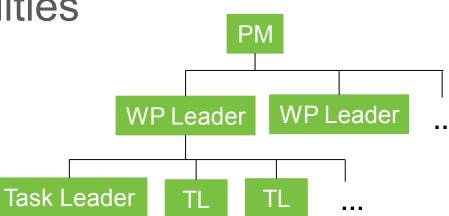
- Have list of tasks / activities
- Have list of deliverables
- Have list of milestones
- Have risks analysed
- Sequence activities considering logical relationships among them
- Estimate activities duration and add risk reserves



Planning – HR Management Plan

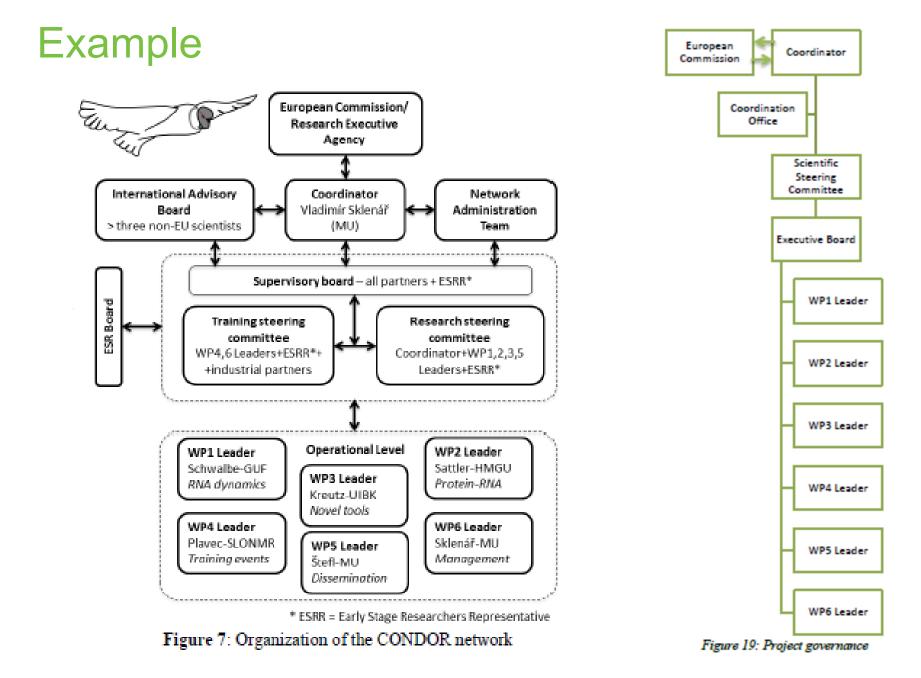
- Roles and responsibilities
 - Role
 - Authority
 - Responsibility
 - Competency
- Human Resource Plan
 - Project organization chart
 - RACI matrix

| Work package | Brno team | Prague team | Vienna team |
|-------------------------|--------------|----------------|----------------|
| Sample preparation | А | R | R |
| Sample analyses | А | R | С |
| Conference organization | I | I | A,R |



- R responsible
- A accountable
- C consulted
- I informed







Responsibility Matrix (RACI)

| | Mom | Dad | Son | Daughter |
|------------------------|-----|-----|-----|----------|
| Dinner implemented | А | R | R | R |
| 1. Resources purchased | А | R | - | I |
| 2. Soup cooked | А | R | I | R |
| 3. Main course cooked | А | - | I | R |
| 3.1 Meat roasted | R | А | С | R |
| 3.2 Sauce prepared | R | А | С | R |
| 3.3 Side dish cooked | R | А | - | - |
| 4. Desert delivered | С | R | I | А |
| 5. Dinner served | А | - | R | R |

R – Responsible

A – Accountable (also approver or final approving authority)

C – Consulted (sometimes counsel)

I – Informed



Acquiring & Developing Project Team

- Pre-assignment
- Negotiation with
 - Key project team members,
 - other project teams,
 - external subjects, partners, contractors, suppliers,...

based on multiple criteria like

- availability, cost, experience, ability, knowledge, skills, attitude, international factors,...
- Considering virtual teams



Budget



Preliminary issues to be considered ELIGIBILITY

- Are you eligible? Make sure your research can be funded by the funder in the extent you expect
- Funder can be supporting only:
 - Certain kinds of research (basic, applied, ...)
 - ...or fields of sciences
 - ...or defined target groups (experienced researchers, woman, (new) EU-member countries researchers, ...)
 - Specified types of organizations (SMEs, NGOs, ...)

APPROPRIATENESS

- Is your research in line with funder's intention?
- Are the expected impacts of your research of any interest to the funder?



Practical issues to be considered

RESEARCH COSTS (RC) – the costs you need to implement your project

- Are your estimated research costs (RC) within what the funder can provide?
- What is the **structure** of your RC?
- Are all of the RC categories eligible fundable/eligible for funding?
- Do you need to budget indirect costs (overheads) and if so, are these eligible costs?
- Are there any other limitations regarding eligibility of the RC?



Planning the budget

Direct x Indirect costs

- Direct costs are specific costs directly linked to the performance of the project and which can therefore be directly booked to it (= accountancy)
- Any cost declared by a beneficiary as a direct cost of the action must be justified by supporting evidence (showing the link to the action)



CONFUSED?

Just remember the **direct costs** are the money you need to budget to cover your research activities.



Planning the budget

- Indirect costs are costs not identifiable as specific costs directly linked to the performance of the project
- In practice, they are costs whose attribution to the specific project / action cannot be or has not been measured directly, but only by means of cost drivers or a proxy, which apportion the total indirect costs (overheads) among the different activities



CONFUSED?

Just remember the **indirect costs** are the costs related to "utility bills" of your institution are a **percentage of the direct cost**



Planning the budget COMMON BUDGET CATEGORIES

Personnel costs – often a major part of the budget

Non-personnel cost

- Equipment, facilities
- Services
- Travelling costs
- Other direct cost
- Materials, consumables
- Special categories such as inflation allowance or contingency reserve



Planning the budget PERSONNEL COSTS

- Personnel costs = costs of the work on the projects
- You must figure out WHO you need to achieve your research objectives - composition of your team
- You must make a good estimate of how much effort you need to complete research activities (and defined tasks and work packages)
- You should calculate the effort as FTEs (fulltime equivalents) or person-months



Planning the budget PERSONNEL COSTS

AN EXAMPLE:

- Working on a project ALL the time means working full-time = 1 FTE = 12 PMs/year
- Then you need to match the effort with the team positions



Planning the budget PERSONNEL COSTS

- Different pay rates for different positions
- The ranges of pay rates usually defined and there is a salary cap
- Multiply the number of PMs for individual positions with the pay rates for the positions and make a sum of it = personnel budget



CONFUSED?

Consults your **CEITEC** dedicated **project manager** and **Personal Deparment**



Budget – tips

- Make it realistic (this helps your credibility)
- Justify the personnel and their time incl. experts and subcontracting to be paid (services)
- Justify your time, justify everything. Be not too modest, count with reserves (EUR/CZ exchange rates...
- Consider risks, such as changes in prices in time
- Don't be afraid of giving details the budget is indicative. It cannot be increased, but costs can be shifted during negotiation.

Big budget is nothing wrong if properly justified.



Budget – another example

A Slovakian researcher from Masaryk university applies for a collaborative project with US laboratory for 2 years. His project team consists of himself (FTE 0.2) and 2 PhD students (FTE 0.5 each). One student will visit US laboratory during 1st year and the other one in 2nd year, each for 3 weeks. They plan to use MRI Core Facility for 150hours of imaging (1h/74EUR). They do not need major investments into equipment, apart from two computers (2 x 1481 EUR) and one SW licence (2222 EUR). Costs of US partner are eligible and both institutions will sign an grant agreement with provider. They will disseminate results in 2 joint publications and on 2 international conferences and a one-day workshop at the MU (attendance) expected: 50 persons). Project allows 20% indirect costs.

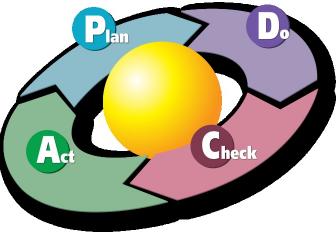


Running the Project on Day-to-Day Basis – Monitoring, reporting and control, Project closing



Day-to-day project management

- Implementing
- Monitoring and controlling the progress
- Reporting
- Change management
- Communication





Implementing

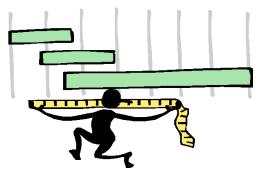
During project implementation refer to:

- Scope Work plan
- Time schedule Gantt chart
- Resources
- Budget
- Intermediate outcomes Deliverables, Milestones
- Risks
- <u>Team</u> (roles and responsibilities)



Monitoring

- Regular collection and analyses of relevant information about the project implementation
- Comparison actual vs. planned performance
- Well structured projects are easier to monitor
- Key questions for monitoring:
- 1. Do I have enough and appropriate resources?
- 2. Am I running in time on schedule?
 - Start and end dates for each <u>activity</u>
 - Dates when <u>milestones</u> are reached
- 3. Scope quality of achieved progress





Reporting

- Effective analysis of the project (Progress Report or Final Report) which usually includes:
 - Financial and scientific part
 - Objectives that have been achieved, work completed during the period, evaluation of progress, changes requested and approved
 - Future plan, key steps and dates
- Include illustrations, charts and tables
- Hand your report on time





Timesheets

Record of the amount of a researcher's time spent on the project

| Employee (full name): | Marie Koblížková |
|----------------------------|--|
| Position: | PhD |
| Empoyer: | Masaryk University |
| Full title of the project: | Next Generation Sequencing for platform for targeted Personalized Therapy of Leukemia (NGS-PTL) |
| Project contract number: | 306242 |
| Supervisor: | prof. RNDr. Jan Slaný, Ph.D. |
| Month/years: | |

| Type of activity: | Hours/month: | Description of work: |
|---|--------------|--|
| WP3 – Creation of a biological biobank | 120 | Collection of samples of periferal blood and bone marrow, preparation of list of inclusion criteria |
| Total hours: | 120 | |

| Information related to t (hours): | ime spent on the project |
|--------------------------------------|--------------------------|
| Hours worked: | 120 |
| Holidays: | 16 |
| Illness: | 0 |
| Bank holiday: | 8 |
| Paid time off: | 0 |
| Total: | 144 |

Date and signature of person carrying out work:

Date and signature of supervisor:

24.4.2015

Timesheet

23.3.2015

Change management

Change is possible if:



- 1) you justify the reasons outline benefits
- 2) it is well communicated good communication is important in overcoming resistance to change
- you ask for it in time do not imply the change until the funder approves it. Plan ahead, change approval may take even weeks.
- Minor change e.g. duration of one activity, minor financial changes
- Major change e.g. project aim, duration of project, big shifts in cost categories etc.



Communication

- Good communication is essential to wellbeing of any project
 - Personal communication
 - E-mails
 - Publications
 - Website
 - Presentations
 - Project meetings
 - Communication plan clearly assign key roles, responsibilities, their importance and preferred way of communication



Communication – common failings

- Unwillingness to communicate bad news
- Not asking for help when it's needed
- Poor communication channels
- Lack of honest communication



Closing a project

- A process of finalizing all activities across the project and to formally complete the project or phase.
 - Review all information (especially deliverables) to make sure that work is completed and objectives have been met
 - Actions to transfer project outcomes to next phase
 - Collect records, audit of success or failures, gather lessons learned and archive project information
 - Give recognition and reward to the team



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Thank you for your attention



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OP Výzkum a vývoj pro inovace

