

This mock proposal is just an example for euproposal.cls
it reflects the ICT template of January 2012

Small or Medium-Scale Focused Research Project (STREP)

ICT Call 1

FP7-???-200?-?

iPoWr: Intelligent Prosal Writing

Acronym: iPoWr

Date of Preparation: Monday 24th August, 2020: 10:28

Coordinator: Prof. Dr. Michael Kohlhase

e-mail: michael.kohlhase@fau.de

tel/fax: (49) 9131-85-64052/55

#	Participant organisation name	Short name	Country
1	FAU Erlangen Nürnberg	FAU	D
2	European Future Office	EFO	NL
3	Université de BAR	BAR	F
4	BAZ International	BAZ	UK

Abstract

Writing grant proposals is a collaborative effort that requires the integration of contributions from many individuals. The use of an ASCII-based format like \LaTeX allows to coordinate the process via a source code control system like Subversion, allowing the proposal writing team to concentrate on the contents rather than the mechanics of wrangling with text fragments and revisions.

Contents

1	Scientific and Technical Quality	3
1.1	Concept and Objectives	3
1.2	Progress beyond the State-of-the-Art	3
1.3	Scientific/Technical Methodology and Work Plan	3
1.3.1	Work Package List	5
1.3.2	List of Deliverables	6
1.3.3	List of Milestones	7
1.3.4	Work Package Descriptions	7
1.3.5	Significant Risks and Associated Contingency Plans	11
2	Implementation	12
2.1	Management Structure and Procedures	12
2.1.1	Organizational structure	12
2.1.2	Milestones	12
2.1.3	Information Flow and Outreach	12
2.1.4	Quality Procedures	12
2.1.5	Internal Evaluation Procedures	12
2.2	The iPoWr consortium as a whole	13
2.2.1	Subcontracting	13
2.2.2	Other Countries	13
2.2.3	Additional Partners	13
2.3	Resources to be Committed	13
2.3.1	Travel Costs and Consumables	13
2.3.2	Subcontracting Costs	13
2.3.3	Other Costs	13
3	Impact	14
3.1	Expected Impacts listed in the Work Programme	14
3.1.1	Medium Term Expected Outcome	14
3.1.2	Long Term Expected Outcomes	14
3.1.3	Use Cases	14
3.2	Dissemination and/or Use of Project Results, and Management of Intellectual Property	14
3.3	Individual Participants	16
4	Ethical Issues	21
4.1	Personal Data	21

Chapter 1

Scientific and Technical Quality

1.1 Concept and Objectives

1.2 Progress beyond the State-of-the-Art

1.3 Scientific/Technical Methodology and Work Plan

Figure 1.3.0.1: Work package dependencies

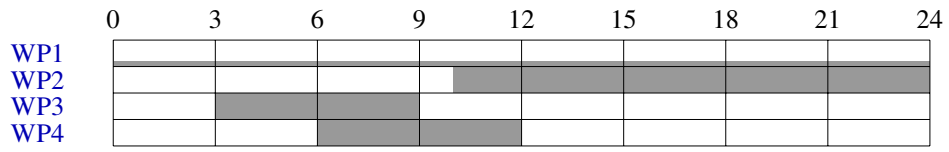


Figure 1.3.0.2: Gantt Chart: Overview Work Package Activities

⁰Bars shown at reduced height (e.g. 50%) indicate reduced intensity during that work phase (e.g. to 50%).

1.3.1 Work Package List

WP	Title	type	page	start	end	FAU	EFO	BAR	BAZ	total
WP1	Management	MGT	7	0	24	2	2	2	2	8
WP2	Dissemination	RTD	8	10	24	2	8	2	2	14
WP3	Class	RTD	9	3	9	<i>12</i>		12		24
WP4	Template	DEM	10	6	12			6	6	12
totals						16	10	22	10	58

Efforts in PM; WP lead efforts light gray italicised

Table 1.3.1.1: Work Packages

1.3.2 List of Deliverables

We will now give an overview over the deliverables and milestones of the work packages. Note that the times of deliverables after month 24 are estimates and may change as the work packages progress.

In the table below, *integrating work deliverables* (see top of section 1.3.1) are printed in boldface to mark them. They integrate contributions from multiple work packages. These can have the dissemination level “partial”, which indicates that it contains parts of level “project” that are to be disseminated to the project and evaluators only. In such reports, two versions are prepared, and disseminated accordingly.

#	Deliverable name	WP	Lead	Type	Level	Due
D1.1	Project-internal mailing lists	WP1	FAU	O	PP	1
D1.2	Project management handbook	WP1	FAU	R	PU	3
D1.4	Periodic activity report	WP1	??	R	public	6
D1.4	Periodic activity report	WP1	??	R	public	12
D1.4	Periodic activity report	WP1	??	R	public	18
D1.4	Periodic activity report	WP1	??	R	public	24
D1.4	Periodic activity report	WP1	??	R	public	30
D1.4	Periodic activity report	WP1	??	R	public	36
D1.4	Periodic activity report	WP1	??	R	public	42
D1.4	Periodic activity report	WP1	??	R	public	48
D1.5	iPoWr Helpdesk	WP1	FAU	O	PU	6
D1.6	Final plan for using and disseminating the knowledge	WP1	FAU	R	PU	36
D1.7	Final management report	WP1	FAU	R	PU	48
D2.1	Set-up of the Project web server	WP2	??	O	PU	2
D2.2	Proceedings of the first iPoWr Summer School.	WP2	??	R	PU	8
D2.3	Dissemination Plan	WP2	??	R	PP	9
D2.4	Scientific and Commercial Exploitation Plan	WP2	??	R	PP	9
D2.5	Proceedings of the second iPoWr Summer School.	WP2	??	R	PU	20
D2.6	Proceedings of the third iPoWr Summer School.	WP2	??	R	PU	32
D2.7	Proceedings of the fourth iPoWr Summer School.	WP2	??	R	PU	44
D3.1	Requirements analysis	WP3	??	R	PP	6
D3.2	iPoWr Specification	WP3	??	R	PU	12
D3.3	First demonstrator (<code>article.cls</code> really)	WP3	??	P	PU	18
D3.4	First prototype	WP3	??	P	PU	24
D3.5	Final L ^A T _E X class, ready for release	WP3	??	P	PU	36
D4.1	Requirements analysis	WP4	BAR	R	PP	6
D4.2	iPoWr Specification	WP4	BAZ	R	PU	12
D4.3	First demonstrator (<code>article.cls</code> really)	WP4	BAR	D	PU	18
D4.4	First prototype	WP4	BAZ	P	PU	24
D4.5	Final Template, ready for release	WP4	BAR	P	PU	36

1.3.3 List of Milestones

The work in the iPoWr project is structured by seven milestones, which coincide with the project meetings in summer and fall. Since the meetings are the main face-to-face interaction points in the project, it is suitable to schedule the milestones for these events, where they can be discussed in detail. We envision that this setup will give the project the vital coherence in spite of the broad mix of disciplinary backgrounds of the participants.

1. **Milestone M1 (Month1) Initial Infrastructure** Set up the organizational infrastructure, in particular: Web Presence, project TRAC,...
2. **Milestone M2 (Month24) Consensus** Reach Consensus on the way the project goes
3. **Milestone M3 (Month36) Exploitation** The exploitation plan should be clear so that we can start on this in the last year.
4. **Milestone M4 (Month48) Final Results** all is done

1.3.4 Work Package Descriptions

Work Package 1: Project Management					Start: 0
Site	FAU	EFO	BAR	BAZ	all
Effort	2	2	2	2	0

We can state the state of the art and similar things before the summary in the boxes here.

Work Package 1: Project Management					Start: 0
Site	FAU	EFO	BAR	BAZ	all
Effort	2	2	2	2	0

Objectives

- To perform the administrative, scientific/technical, and financial management of the project
- To co-ordinate the contacts with the EU
- To control quality and timing of project results and to resolve conflicts
- To set up inter-project communication rules and mechanisms

Description

Based on the Consortium Agreement, i.e. the contract with the European Commission, and based on the financial and administrative data agreed, the project manager will carry out the overall project management, including administrative management. A project quality handbook will be defined, and a iPoWr help-desk for answering questions about the format (first project-internal, and after month 12 public) will be established. The project management will... we can even reference deliverables: **D1.4** and even the variant with a title: **D1.4: Periodic activity report**

T1 To perform the administrative, scientific/technical, and financial management of the project

T2 To co-ordinate the contacts with the EU

T3 To control quality and timing of project results and to resolve conflicts

T4 To set up inter-project communication rules and mechanisms

Deliverables:

- D1.1 (Due: 1, Type: O, Dissem.: PP, Lead: FAU)** *Project-internal mailing lists* ~M1
- D1.2 (Due: 3, Type: R, Dissem.: PU, Lead: FAU)** *Project management handbook* ~M2
- D1.3 (Due: 44, Type: R, Dissem.: PU, Lead: FAU)** *Plan to save the world*
- D1.4 (Due: 6,12,18,24,30,36,42,48, Type: R, Dissem.: public, Lead: ??)** *Periodic activity report* ~M2,M4
Partly compiled from activity reports of the work package coordinators; to be approved by the work package coordinators before delivery to the Commission. Financial reporting is mainly done in months 18 and 36.
- D1.5 (Due: 6, Type: O, Dissem.: PU, Lead: FAU)** *iPoWr Helpdesk* ~M1
- D1.6 (Due: 36, Type: R, Dissem.: PU, Lead: FAU)** *Final plan for using and disseminating the knowledge* ~M4
- D1.7 (Due: 48, Type: R, Dissem.: PU, Lead: FAU)** *Final management report* ~M4

Work Package 2: Dissemination and Exploitation					Start: 10
Site	FAU	EFO	BAR	BAZ	all
Effort	2	8	2	2	0

We can state the state of the art and similar things before the summary in the boxes here.

Work Package 2: Dissemination and Exploitation					Start: 10
Site	FAU	EFO	BAR	BAZ	all
Effort	2	8	2	2	0

Objectives

Much of the activity of a project involves small groups of nodes in joint work. This work package is set up to ensure their best wide-scale integration, communication, and synergetic presentation of the results. Clearly identified means of dissemination of work-in-progress as well as final results will serve the effectiveness of work within the project and steadily improve the visibility and usage of the emerging semantic services.

Description

The work package members set up events for dissemination of the research and work-in-progress results for researchers (workshops and summer schools), and for industry (trade fairs). An in-depth evaluation will be undertaken of the response of test-users.

Within two months of the start of the project, a project website will go live. This website will have two areas: a members' area and a public area...

Deliverables:

- D2.1 (Due: 2, Type: O, Dissem.: PU, Lead: ??)** *Set-up of the Project web server* ~M1
- D2.2 (Due: 8, Type: R, Dissem.: PU, Lead: ??)** *Proceedings of the first iPoWr Summer School.* ~M1
- D2.3 (Due: 9, Type: R, Dissem.: PP, Lead: ??)** *Dissemination Plan*
- D2.4 (Due: 9, Type: R, Dissem.: PP, Lead: ??)** *Scientific and Commercial Exploitation Plan* ~M3
- D2.5 (Due: 20, Type: R, Dissem.: PU, Lead: ??)** *Proceedings of the second iPoWr Summer School.* ~M3
- D2.6 (Due: 32, Type: R, Dissem.: PU, Lead: ??)** *Proceedings of the third iPoWr Summer School.* ~M3
- D2.7 (Due: 44, Type: R, Dissem.: PU, Lead: ??)** *Proceedings of the fourth iPoWr Summer School.* ~M3

Work Package 3: A L^AT_EX class for EU Proposals			Start: 3
Site	<i>FAU</i>	<i>BAR</i>	all
Effort	<i>12</i>	12	0

We can state the state of the art and similar things before the summary in the boxes here.

Work Package 3: A L^AT_EX class for EU Proposals			Start: 3
Site	<i>FAU</i>	<i>BAR</i>	all
Effort	<i>12</i>	12	0

Objectives

L^AT_EX is the best document markup language, it can even be used for literate programming [Knu92; Lam94; Knu84]
 To develop a L^AT_EX class for marking up EU Proposals

Description

We will follow strict software design principles, first comes a requirements analys, then . . .

Deliverables:

- | | |
|---|--------|
| D3.1 (Due: 6, Type: R, Dissem.: PP, Lead: ??) <i>Requirements analysis</i> | ~M1 |
| D3.2 (Due: 12, Type: R, Dissem.: PU, Lead: ??) <i>iPoWr Specification</i> | ~M2 |
| D3.3 (Due: 18, Type: P, Dissem.: PU, Lead: ??) <i>First demonstrator (article.cls really)</i> | ~M2,M4 |
| D3.4 (Due: 24, Type: P, Dissem.: PU, Lead: ??) <i>First prototype</i> | ~M4 |
| D3.5 (Due: 36, Type: P, Dissem.: PU, Lead: ??) <i>Final L^AT_EX class, ready for release</i> | ~M4 |

Furthermore, this work package contributes to ?? and ??.

Work Package 4: iPoWr Proposal Template			Start: 6
Site	BAR	BAZ	all
Effort	6	6	0

We can state the state of the art and similar things before the summary in the boxes here.

Work Package 4: iPoWr Proposal Template			Start: 6
Site	BAR	BAZ	all
Effort	6	6	0

Objectives

To develop a template file for iPoWr proposals

Description

We abstract an example from existing proposals

Deliverables:

- D4.1 (Due: 6, Type: R, Dissem.: PP, Lead: BAR)** *Requirements analysis* ~M1
- D4.2 (Due: 12, Type: R, Dissem.: PU, Lead: BAZ)** *iPoWr Specification* ~M2
- D4.3 (Due: 18, Type: D, Dissem.: PU, Lead: BAR)** *First demonstrator (article.cls really)* ~M2,M4
- D4.4 (Due: 24, Type: P, Dissem.: PU, Lead: BAZ)** *First prototype* ~M4
- D4.5 (Due: 36, Type: P, Dissem.: PU, Lead: BAR)** *Final Template, ready for release* ~M4

Furthermore, this work package contributes to ?? and ??.

1.3.5 Significant Risks and Associated Contingency Plans

1.3.5.0.1 Global Risk Management The crucial problem of iPoWr (and similar endeavors that offer a new basis for communication and interaction) is that of community uptake: Unless we can convince scientists and knowledge workers industry to use the new tools and interactions, we will never be able to assemble the large repositories of flexiformal mathematical knowledge we envision. We will consider uptake to be the main ongoing evaluation criterion for the network.

Chapter 2

Implementation

2.1 Management Structure and Procedures

The Project Management of iPoWr is based on its Consortium Agreement, which will be signed before the Contract is signed by the Commission. The Consortium Agreement will enter into force as from the date the contract with the European Commission is signed.

2.1.1 Organizational structure

2.1.2 Milestones

Risk Assessment and Management

2.1.3 Information Flow and Outreach

2.1.4 Quality Procedures

2.1.5 Internal Evaluation Procedures

2.2 The iPoWr consortium as a whole

The project partners of the iPoWr project have a long history of successful collaboration; Figure 2.2.0.1 gives an overview over joint projects (including proposals) and joint publications (only international, peer reviewed ones).

	FAU	EFO	BAR	BAZ
FAU		○★	☹	○★
EFO	○★		●	○★@
BAR	☹	●		
BAZ	○★	○★@		
joint	★ [∧] publication, ● [∧] project, ○ [∧] organization, @ [∧] software/resource dev, ☹ [∧] supervision			

Table 2.2.0.1: Previous Collaboration between iPoWr members

2.2.1 Subcontracting

2.2.2 Other Countries

2.2.3 Additional Partners

2.3 Resources to be Committed

2.3.1 Travel Costs and Consumables

2.3.2 Subcontracting Costs

2.3.3 Other Costs

Chapter 3

Impact

3.1 Expected Impacts listed in the Work Programme

3.1.1 Medium Term Expected Outcome

3.1.2 Long Term Expected Outcomes

3.1.3 Use Cases

3.2 Dissemination and/or Use of Project Results, and Management of Intellectual Property

References

- [aut] the proposal authors. . . . *should provide more high-class references* . . .
- [Knu84] D. E. Knuth. *The T_EXbook*. Addison Wesley, 1984.
- [Knu92] D. E. Knuth. *Literate Programming*. The University of Chicago Press, 1992.
- [Koh+11] M. Kohlhase et al. “The Planetary System: Web 3.0 & Active Documents for STEM”. In: *Procedia Computer Science* 4 (2011): *Special issue: Proceedings of the International Conference on Computational Science (ICCS)*. Ed. by M. Sato, S. Matsuoka, P. M. Sloot, G. D. van Albada, and J. Dongarra. Finalist at the Executable Paper Grand Challenge, pp. 598–607. doi: [10.1016/j.procs.2011.04.063](https://doi.org/10.1016/j.procs.2011.04.063).
- [Koh10] M. Kohlhase. *Preparing DFG Proposals in L^AT_EX with dfgproposal.cls*. Self-documenting L^AT_EX package, <https://github.com/KWARC/LaTeX-proposal/tree/master/dfg/dfgproposal.pdf>; ask the author for access. 2010.
- [Lam94] L. Lamport. *LaTeX: A Document Preparation System, 2/e*. Addison Wesley, 1994.
- [Lan10] C. Lange. “Towards OpenMath Content Dictionaries as Linked Data”. In: *23rd OpenMath Workshop*. Ed. by M. Kohlhase and C. Lange. July 2010. arXiv: [1006.4057v1](https://arxiv.org/abs/1006.4057v1) [cs.DL]. url: <http://cicm2010.cnam.fr/om/>.

3.3 Individual Participants

3.3.0.1 FAU: FAU Erlangen Nürnberg (D)

3.3.0.1.1 Organization FAU is

The KWARC (KnoWledge Adaptation and Reasoning for Content¹) Group headed by *Prof. Dr. Michael Kohlhase* specializes in building knowledge management systems for e-science applications, in particular for the natural and mathematical sciences. Formal logic, natural language semantics, and semantic web technology provide the foundations for the research of the group.

Since doing research and developing systems is much more fun than writing proposals, they try go do that as efficiently as possible, hence this meta-proposal.

3.3.0.1.2 Main tasks

- creating \LaTeX class files

3.3.0.1.3 Relevant previous experience The KWARC group is the main center and lead implementor of the OMDoc (Open Mathematical Document) format for representing mathematical knowledge. The group has developed added-value services powered by such semantically rich representations, different paths to obtaining them, as well as platforms that integrate both aspects. Services include the adaptive context-sensitive presentation framework JOMDoc and the semantic search engine MathWebSearch. For obtaining rich mathematical content, the group has been pursuing the two alternatives of assisting manual editing (with the sTeXIDE editing environment) and automatic annotation using natural language processing techniques. The latter is work in progress but builds on the arXMLiv system, which is currently capable of converting 70% out of the 600,000 scientific publications in the arXiv from \LaTeX to XHTML+MathML without errors. Finally, the KWARC group has been developing the Planetary integrated environment.

3.3.0.1.4 Specific expertise

- writing intelligent proposals

3.3.0.1.5 Staff members involved **Prof. Dr. Michael Kohlhase** is head of the KWARC research group. He is the head developer of the OMDoc mathematical markup language. He was a member of the Math Working Group at W3C, which finished its work with the publication of the MathML 3 recommendation. He is president of the OpenMath society and trustee of the MKM interest group.

¹<http://kwarc.info>

3.3.0.2 EFO: European Future Office (NL)

3.3.0.2.1 Organization The EFO is the world leader in futurology, . . .

3.3.0.2.2 Main tasks

3.3.0.2.3 Relevant previous experience

3.3.0.2.4 Specific expertise

3.3.0.3 BAR: Université de BAR (F)

3.3.0.3.1 Organization Université de BAR specializes on drinking lots of red wine. It is a partner in the consortium, because it has a very nice chateau on the Cote d'Azur, where it can host gorgeous project meetings.

3.3.0.3.2 Main tasks

3.3.0.3.3 Relevant previous experience

3.3.0.3.4 Specific expertise

3.3.0.4 BAZ: BAZ International (UK)

3.3.0.4.1 Organization

3.3.0.4.2 Main tasks

3.3.0.4.3 Relevant previous experience

3.3.0.4.4 Specific expertise

Chapter 4

Ethical Issues

	YES	PAGE
Informed Consent		
Does the proposal involve children?		
Does the proposal involve patients or persons not able to give consent?		
Does the proposal involve adult healthy volunteers?		
Does the proposal involve Human Genetic Material?		
Does the proposal involve Human biological samples?		
Does the proposal involve Human data collection?		
Research on Human embryo/foetus		
Does the proposal involve Human Embryos?		
Does the proposal involve Human Foetal Tissue / Cells?		
Does the proposal involve Human Embryonic Stem Cells?		
Privacy		
Does the proposal involve processing of genetic information or personal data (eg. health, sexual lifestyle, ethnicity, political opinion, religious or philosophical conviction)		
Does the proposal involve tracking the location or observation of people?		
Research on Animals		
Does the proposal involve research on animals?		
Are those animals transgenic small laboratory animals?		
Are those animals transgenic farm animals?		
Are those animals cloned farm animals?		
Are those animals non-human primates?		
Research Involving Developing Countries		
Use of local resources (genetic, animal, plant etc)		
Benefit to local community (capacity building i.e. access to healthcare, education etc)		
Dual Use		
Research having direct military application		
Research having the potential for terrorist abuse		
ICT Implants		
Does the proposal involve clinical trials of ICT implants?		
I CONFIRM THAT NONE OF THE ABOVE ISSUES APPLY TO MY PROPOSAL		

4.1 Personal Data