



COST action CA20111 EuroProofNet

Work and Budget Plan

for Nov 24 - Oct 25

Frédéric Blanqui



COST is supported
by the Horizon 2020
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This is the last year of EuroProofNet ! :-)

European Research Network on
Formal Proofs

COST action CA20111



Funded by
the European Union

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EuroProofNet is the European research network on digital proofs. **EuroProofNet aims at boosting the interoperability and usability of proof systems.** It is a [COST](#) action started on November 2021 gathering more than [500 researchers](#) from 44 different countries, chaired by [Frédéric Blanqui](#) and a [Core group](#). EuroProofNet organizes [meetings and schools](#), and provides [grants](#) to its members for short-term scientific missions in another country. [Learn more...](#) [Objectives](#) [Deliverables](#) [Questions?](#)

To join the action, simply [apply](#) to the [working groups](#) you are

Remaining deliverables for Nov 24 - Oct 25

D11. Collection of verification challenges with summary of working recipes for verifying them.

D12. Technique for syntax-semantics interface for program verification with or without type systems.

D13. Extension of the database and associated tools to other systems like Agda, Minlog, PVS, Lean, Mizar, Atelier B, TLAPS.

D14. White paper on including restricted natural language proof formats to existing proof libraries.

D15. Prototype implementation of the mathematical framework, with basic user interface, user documentation and gallery of examples of type theories.

Goals for Nov 24 - Oct 25

1. Support young researchers from inclusive-target countries:
4 ITCGs, STSM/meeting selection, school in Georgia, SPLV school
2. Advertise the work of women in EuroProofNet and inform EuroProofNet members on gender biases:
WEPN @ TYPES'25 at Glasgow on June 10
3. Advertise the achievements of the action:
Final EuroProofNet symposium on Sep 8-19
4. Train young researchers on advanced topics in logical frameworks, proof system interoperability, controlled natural languages, program semantics formalization and verification:
 - ▶ 1st International School on Logical Frameworks and Proof Systems Interoperability (LFPSI)
 - ▶ School on Natural Language Formalizations (SoNaLF)
 - ▶ Scottish Programming Languages and Verification School
 - ▶ School on Symbolic and Statistical Methods for Reasoning and Processing Formal Expressions

Goals for Nov 24 - Oct 25

5. Translate new proof libraries from some systems to others and make them easily available and usable:

[WG1 meeting at Val d'Ajol in January](#)

6. Share knowledge and discuss mathematical and computational linguistics techniques and tools in proof assistants:

[Conf. on Mathematical and Computational Linguistics for Proofs](#)

7. Share knowledge and discuss the existing approaches for defining and reasoning about type theories:

[WG6 meeting at Genoa on March 23-24](#)

8. Share knowledge and discuss the results and perspectives on the use of large language models in proof systems:

[WG5 meeting at Edinburgh on April](#)

Goals for Nov 24 - Oct 25

9. Develop a shared file format and database for geometric problems:

WG2 meeting on ATPs for geometry at Coimbra on April

10. Share knowledge on the state-of-the-art proof-logging approaches in reasoning tools:

WG2 meeting on proof-logging at Saclay on September

11. Explore the use of quantitative types to infer the complexity of a program:

Workshop at Porto on May 5-6

12. Set up a shared collection of verification challenges with recipes for verifying them:

WG3 meeting at Saclay on September

Proposed events for Nov 24 - Oct 25

WG	event	city	country	date	days	budget
	ITCG					4000
	STSM					35136
1	WG1 meeting	Val d'Ajol	FR	Jan	3	10200
6	WG6 meeting	Genoa	IT	Mar	2	12960
2	WG2 Geo ATP	Coimbra	PT	Apr	3	5180
5	WG5 meeting	Edinburgh	UK	Apr	2	11440
6	Quant. types	Porto	PT	May	2	7500
	WEPN	Glasgow	UK	Jun	1	4256
5	SoNaLF	Bonn	DE	Jun	3	10320
5	SSMRPFE	Kutaisi	GE	Jul	5	6510
3	SPLV	Edinburgh	UK	Jul	5	6300
16	LFPSI	Orsay	FR	Sep	4	15400
2	WG2 meeting	Orsay	FR	Sep	3	11280
56	MathCompLing	Orsay	FR	Sep	3	15400
4	WG4 meeting	Orsay	FR	Sep	2	9360
3	WG3 meeting	Orsay	FR	Sep	3	11280
	TOTAL					176522
	+FSAC 15%					203000

Final EuroProofNet Symposium, Orsay, Sep 8-19

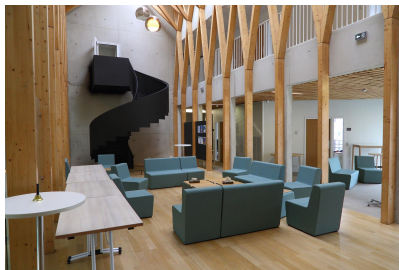
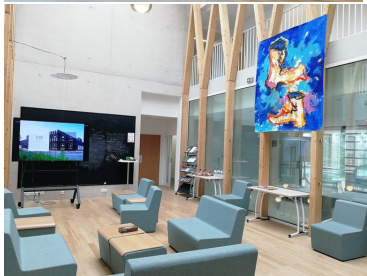
- School on Logical Frameworks and Proof Systems Interoperability
- Workshop on Automated Theorem Proving and Proof Logging
- Workshop on Large Proof Libraries
- Conf. on Mathematical and Computational Linguistics for Proofs
- Workshop on Program Verification

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Programme

Event	Mo 08	Ru 09	We 10	Th 11	Fr 12	Sa 13	Su 14	Mo 15	Tu 16	We 17	Th 18	Fr 19
LFPSI	X	X	X	X								
WG2				X	X	X						
WG4								X	X			
MCLP								X	X	X	X	
WG3										X	X	X
MC												X

Last MC meeting: Friday 19 September at 15:00 (Paris time)