



PARTNERSHIP FOR ADVANCED COMPUTING IN EUROPE

Europe's HPC:
driving discovery, fuelling growth

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PRACE – our mission

Best Systems to best Science

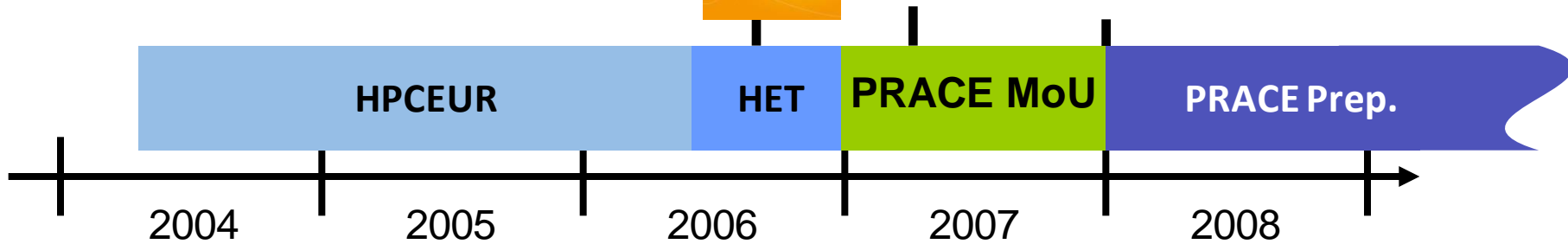
- Management of the coordination between HPC Infrastructure at European and national/regional levels

Open R&D model

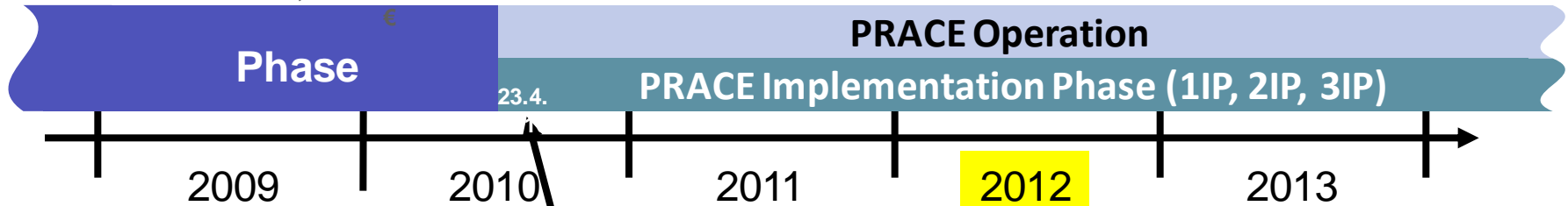


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□ Timeline



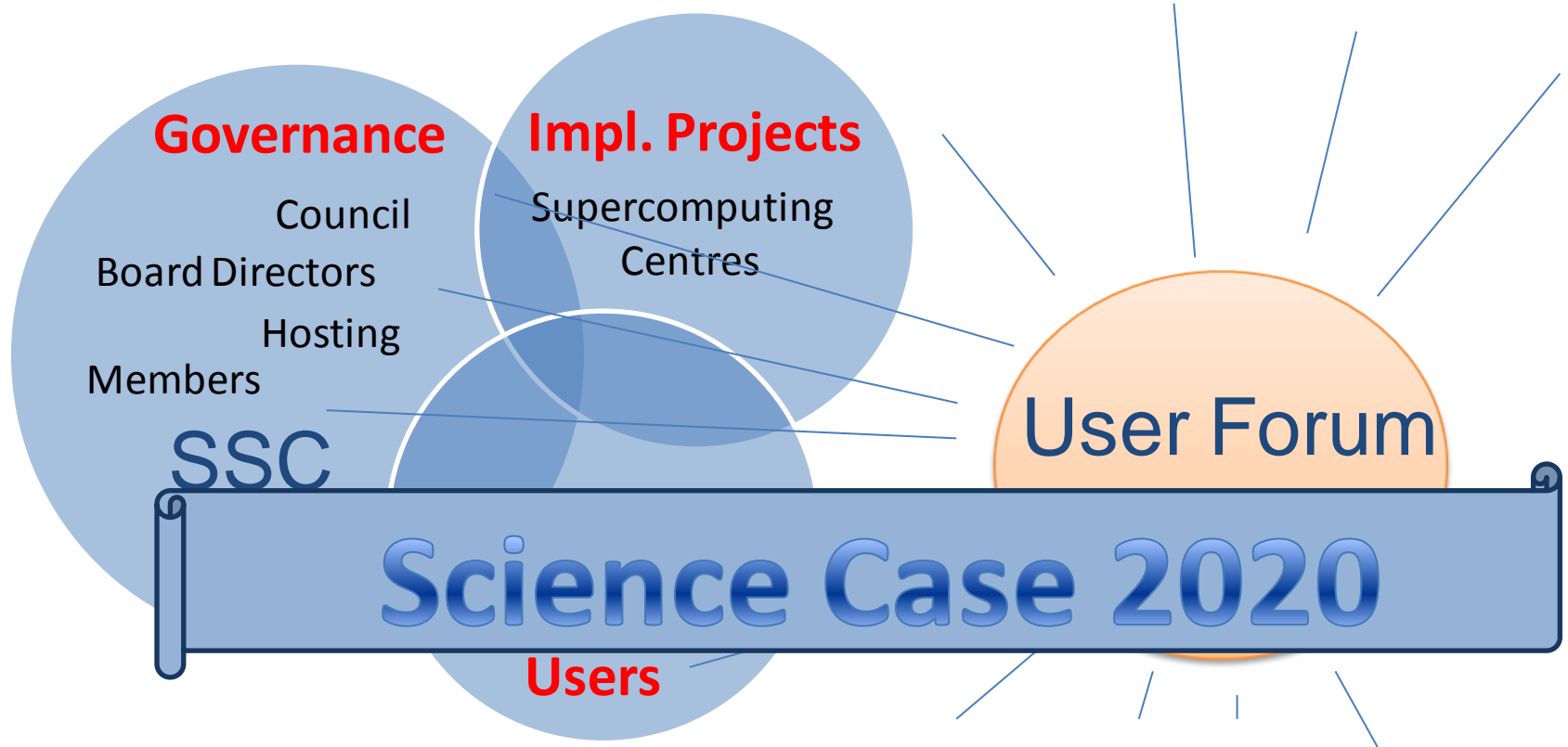
EU-Grant: INFISO-RI-211528, 10 Mio. €





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□ Who is who



PRACE puts users in the *driving* seat: now users must take the *wheel* !

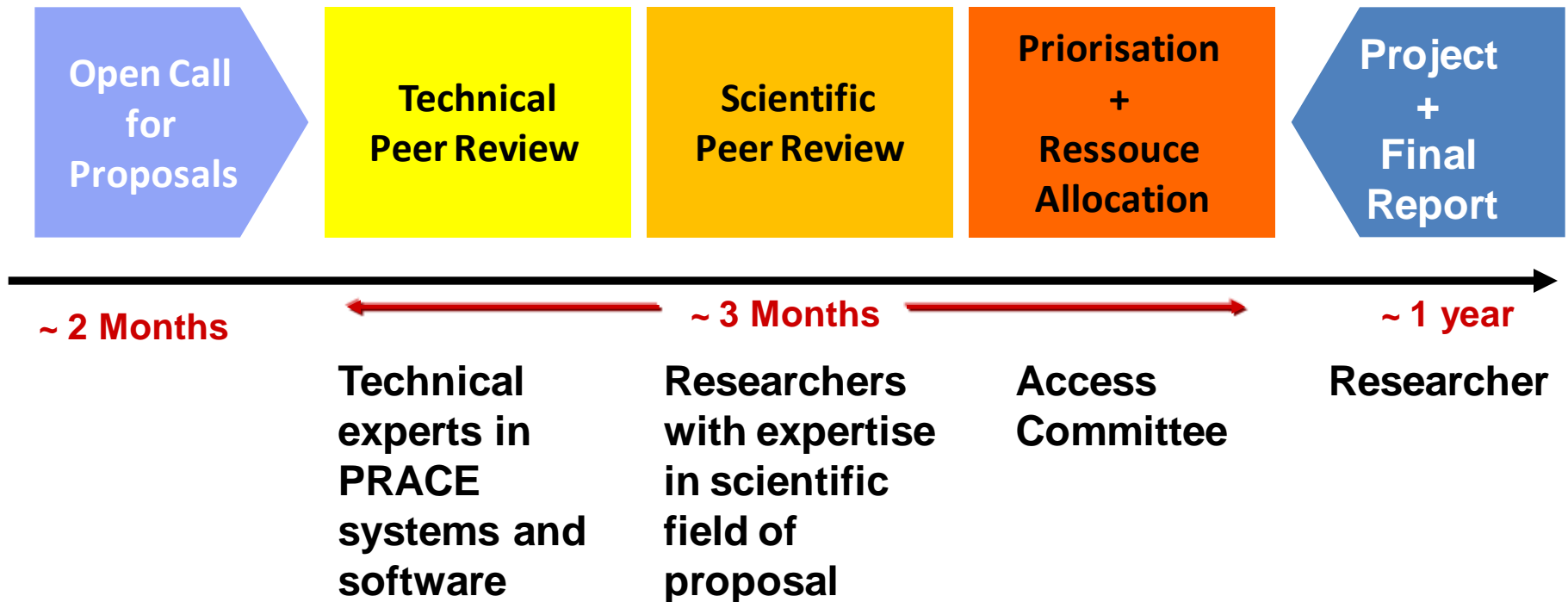


□ Calls for proposals

- **NEW:** Multi-year Project Access (2 years)
- Project Access (1 year)
- Preparatory Access (2/6 months)



□ Project Access





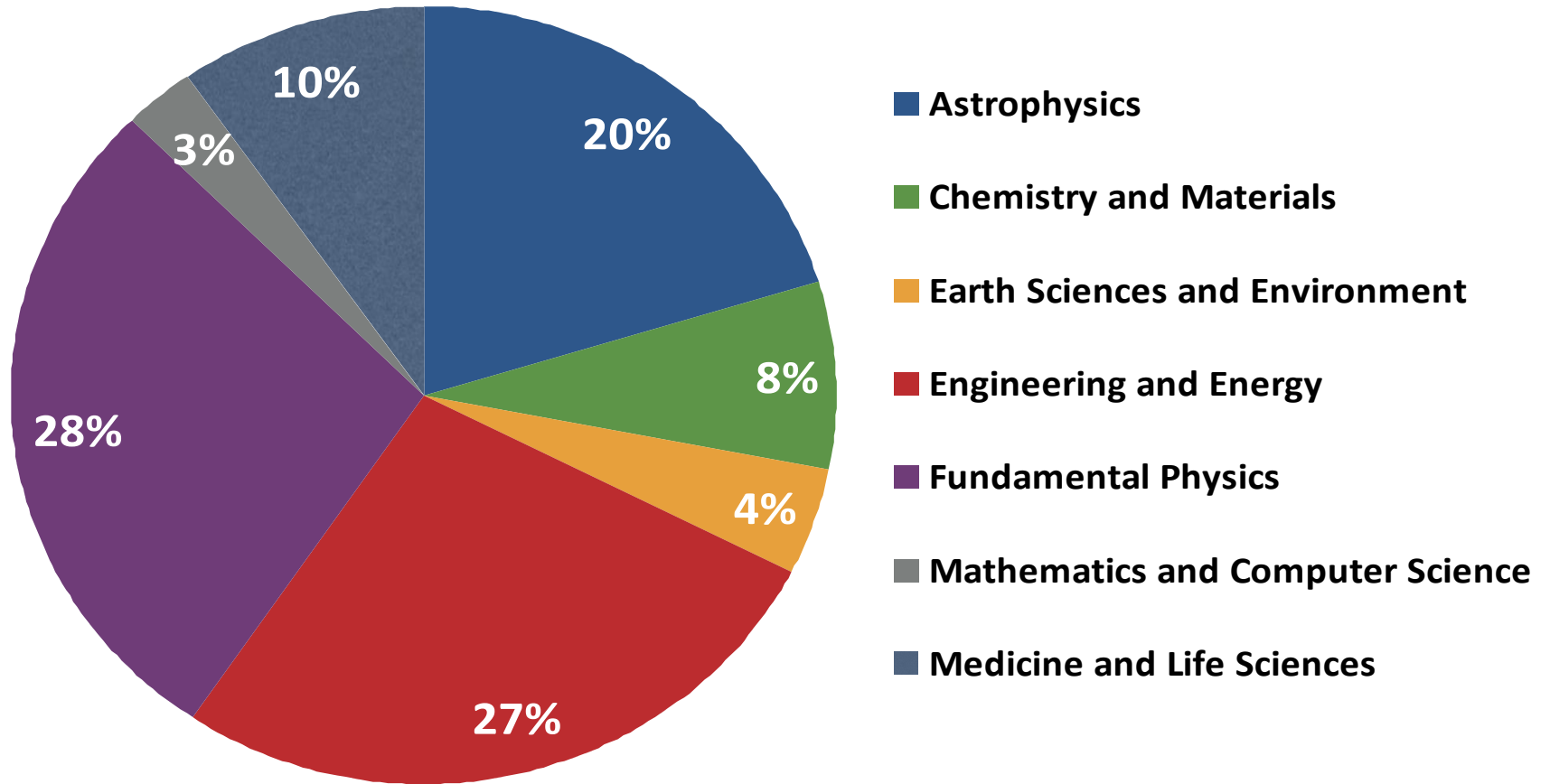
Past project access calls for proposals

Call	Requested Hours (million core hours)	Requested Projects	Awarded Hours (million core hours)	Awarded projects
Early Access	1870	68	324	10
1st	2874	59	362	9
2nd	1250	47	393	16
3rd	1687	53	721	24
4th	1931	78	1134	43
total	9615	227	2940	102

∅ = 30,51 Mio core hours/proposal



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□ Success stories

- 24 Member countries
- 2 years of operations
- 5 HPC systems available
- Collaboration network of > 200 HPC experts



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□ HPC Systems



CURIE, GENCIFrance



HERMIT, HLRS Stuttgart



FERMI, CINECA Italy



JUGENE, FZJ Jülich



SuperMUC, LRZ Garching



□ What is next?

- Coordinated training curriculum & 'training-the-trainers' services
- Support to codes for multi-PFLOPs
- Coordinated actions for the exa-scale
- Market surveillance



□ Some highlights

- ISC'12 Monday:
 - Join us at the PRACE booth
 - PRACE award
- Sponsorships
 - co-organisation Computational Conferences in Europe





Thank you !

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