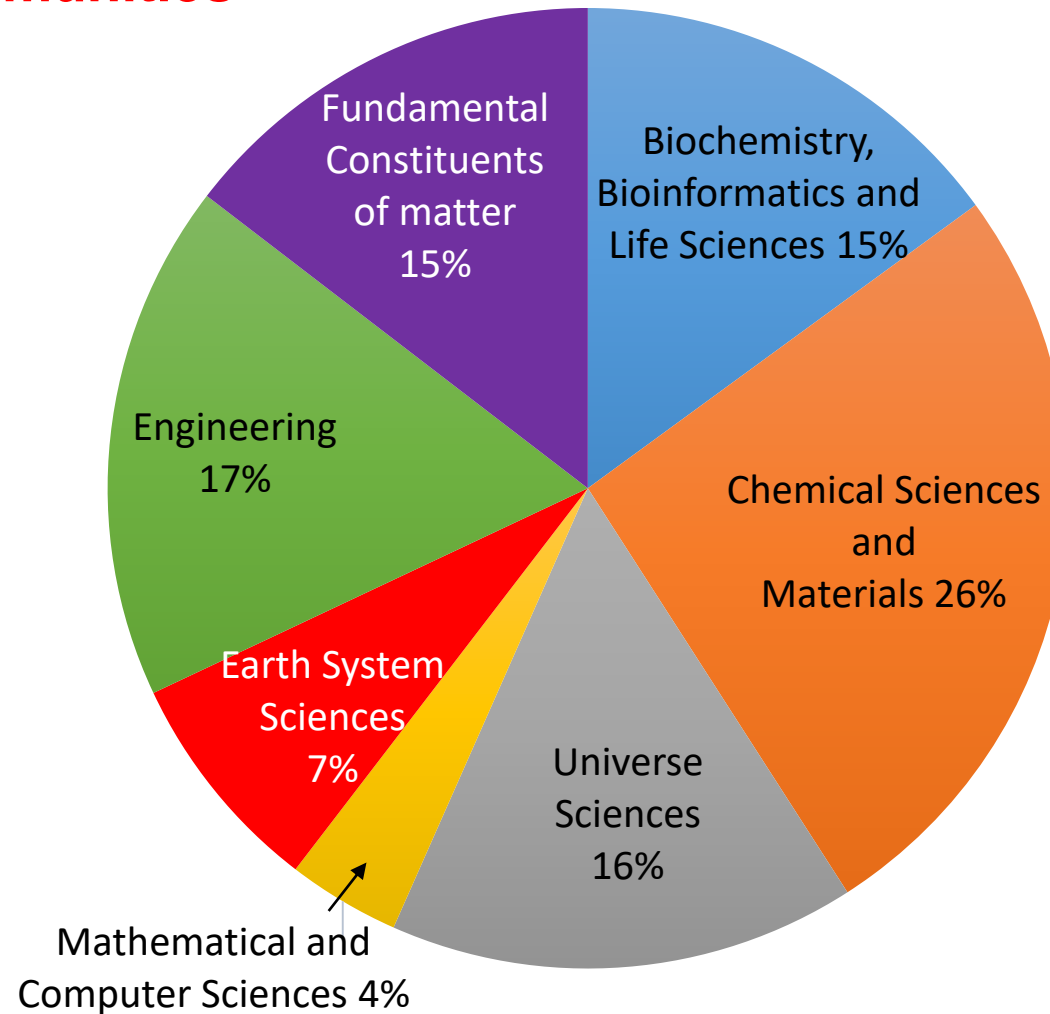




PRACE Scientific code projects

Fabio Affinito
CINECA

PRACE users' communities



Granted core-hours in %
up to the 14^o access call



Enabling and supporting

Users

Access

(for academia and industry)

Tier-0 systems (open R&D)

- Project Access
1-3 years
- Preparatory Access
Type A, B, C, D

Tier-1 systems (open R&D)

- DECI Programme

Support

Application Enabling & Support

- Preparatory access Type C
- Preparatory access Type D
 - Tier-1 for Tier-0
- SHAPE
- HLST support

Training

- Training Portal
- PATC, PTC
- Seasonal Schools & on demand
- International HPC Summer School
- MOOC
- Code Vault
- Best Practice Guides
- White Papers



Enabling and supporting

Preparatory access calls are targeting users that need to test, **benchmark** and **optimize** their codes

In particular, for Type C and D, PRACE staff provides support with HPC experts

Users

Access

(for academia and industry)

Tier-0 systems (open R&D)

- Project Access
1-3 years
- Preparatory Access Type A, B, C, D

Tier-1 systems (open R&D)

- DECI Programme

Support

Application Enabling & Support

- Preparatory access Type C
- Preparatory access Type D
 - Tier-1 for Tier-0
- SHAPE
- HLST support

Training

- Training Portal
- PATC, PTC
- Seasonal Schools & on demand
- International HPC Summer School
- MOOC
- **Code Vault**
- **Best Practice Guides**
- **White Papers**



ICEI/Fenix Tier-1 projects

Users

Access

(for academia and industry)

Tier-0 systems (open R&D)

- Project Access
1-3 years
- Preparatory Access
Type A, B, C, D

Tier-1 systems (open R&D)

- DECI Programme

Support

Application Enabling & Support

- Preparatory access Type C
- Preparatory access Type D
 - Tier-1 for Tier-0
- SHAPE
- HLST support

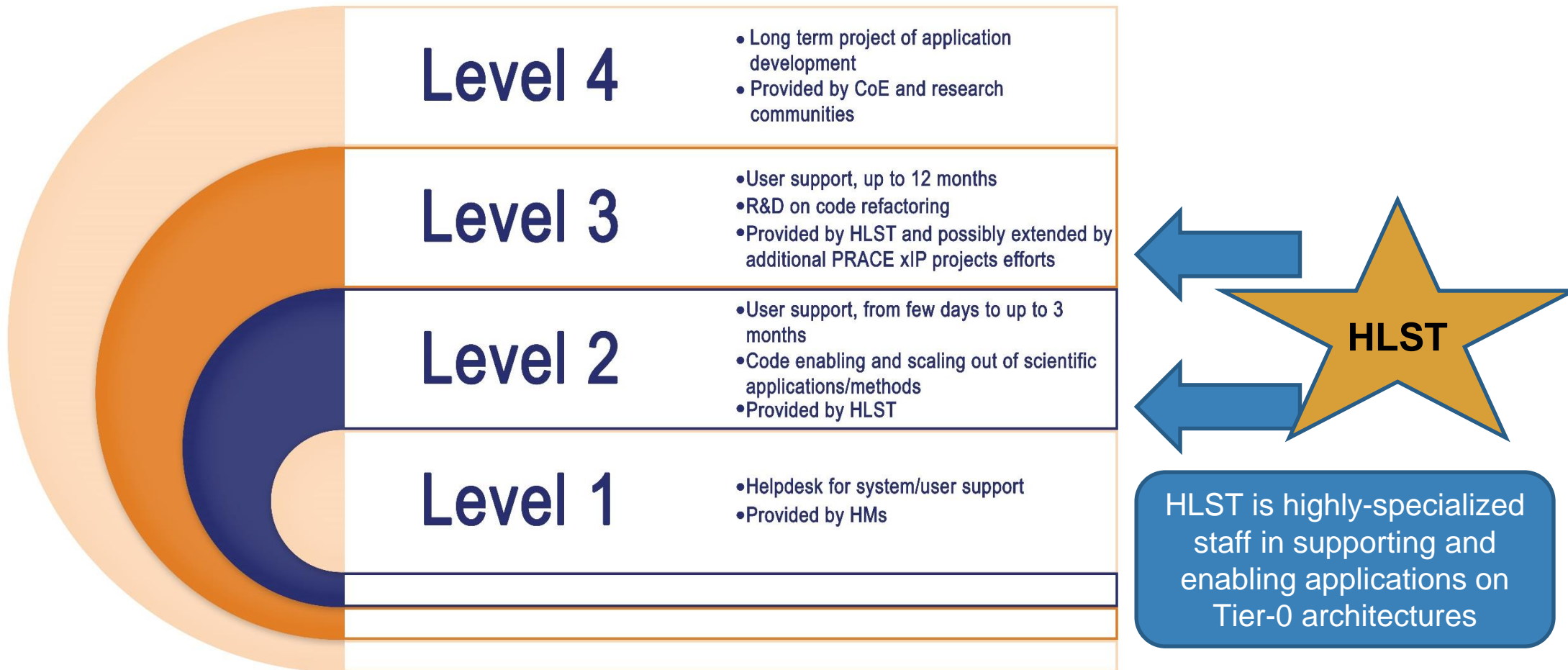
Training

- Training Portal
- PATC, PTC
- Seasonal Schools & on demand
- International HPC Summer School
- MOOC
- Code Vault
- Best Practice Guides
- White Papers

In PRACE-6IP project, the DECI calls will coordinate with ICEI/Fenix/EUDAT for the exploitation of resources.

PRACE will provide applications porting to enable researchers to run their codes effectively, and to optimise the utilisation of resources.

Support activities and High-Level Support Team





Forward-looking Software Solutions

- Deliver solutions in the form of high quality, transversal software that address challenges posed by the rapidly changing HPC pre-Exascale landscape to HPC users and scientific communities.
- Advance strategic projects, selected in a transparent and competitive process, that require a long-term and significant dedicated effort.
- Allow for disruptive approaches to modernize HPC software, leveraging of software technologies adopted, developed, and maintained by the big players in IT.

approx 20 FTE

10 «high-risk high-gain» projects will be funded to work at modern software solutions



**THANK YOU FOR YOUR
ATTENTION**

www.prace-ri.eu