

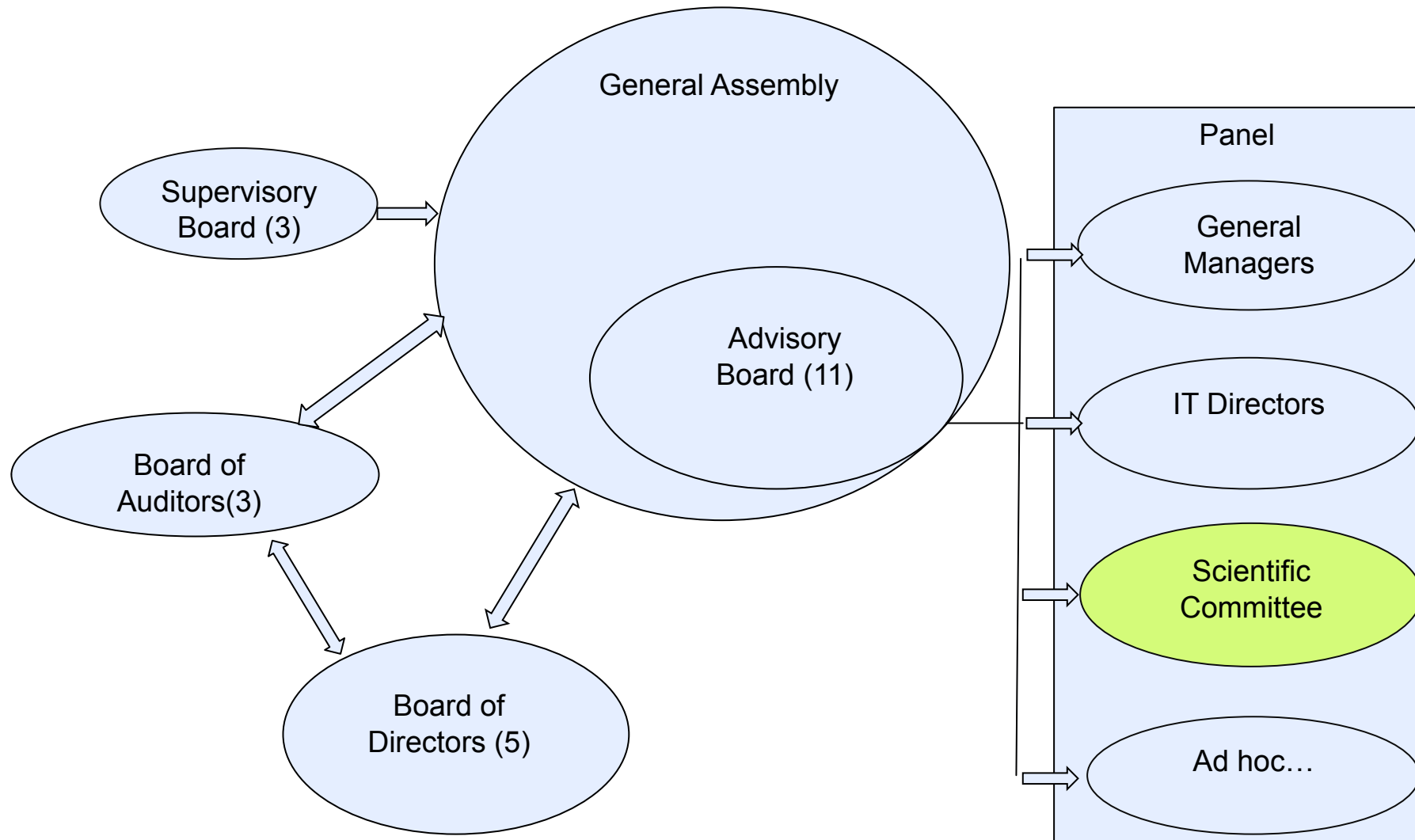
CINECA Scientific Committee

CINECA

Casalecchio di Reno (BO)

Via Magnanelli 6/3, 40033 Casalecchio di Reno | 051 6171411 | www.cineca.it

CINECA Governance structure



Scientific committee composition



Discipline	Prof.	Affiliation
Molecular and Structural Biology and Biochemistry	Andrea Cavalli	Italian Institute of Technology Foundation
Galactic and extragalactic astronomy	Tommaso Maccacaro	National Institute of Astrophysics - Astronomical Observatory of Brera
Earth system science	Alessandro Crise	National Institute of Oceanography and Experimental Geophysics
Process engineering	Angelo Onorati	Polytechnic of Milano
Applied mathematics	Antonio De Simone	SISSA
Condensed matter physics	Stefano Baroni	SISSA
Physical chemistry/chemical physics	Claudio Zannoni	University of Bologna
Mathematical foundations	Valeria Ruggiero	University of Ferrara
Fundamental constituents of matter	Raffaele Tripiccione	University of Ferrara
Neurosciences, Neuroimaging	Francesco Pavone	University of Firenze
Materials, structure-properties	Carlo Pierleoni	University of L'Aquila
Nanosciences, nanotechnology	Elisa Molinari	University of Modena
Systems Biology	Giovanni Paoletta	University of Napoli Federico II
Computer science and informatics	Gianfranco Bilardi	University of Padova
Astro-physics	Giovanni Peres	University of Palermo
Genetics, Genomics, Bioinformatics	Anna Tramontano	University of Roma La Sapienza
Physics, Statistical mechanics	Giovanni Ciccotti	University of Roma La Sapienza
Computational fluid dynamic	Luca Biferale	University of Roma Tor vergata
Theoretical Chemistry	Roberto Dovesi	University of Torino

- Management of peer review and allocation processes of the ISCRA – Italian Supercomputing Resources Allocation Initiative
- Advisory about the participation of CINECA to the PRACE AISBL and Projects, ETP, PROSPECT...
- Advisory about the development guideline of the e-infrastructures in Italy and in Europe for HPC, data management and repository, cloud computing, grid computing, networking
- Proactive link between CINECA and the National and European scientific communities
- Support the continuous improvement process for the effectiveness of CINECA service provision to tackle societal and scientific challenges
- Address and support the CINECA initiative towards exascale in technologies and applications

ISCRA Proposals – (1 January 2010 – 31 December 2011)



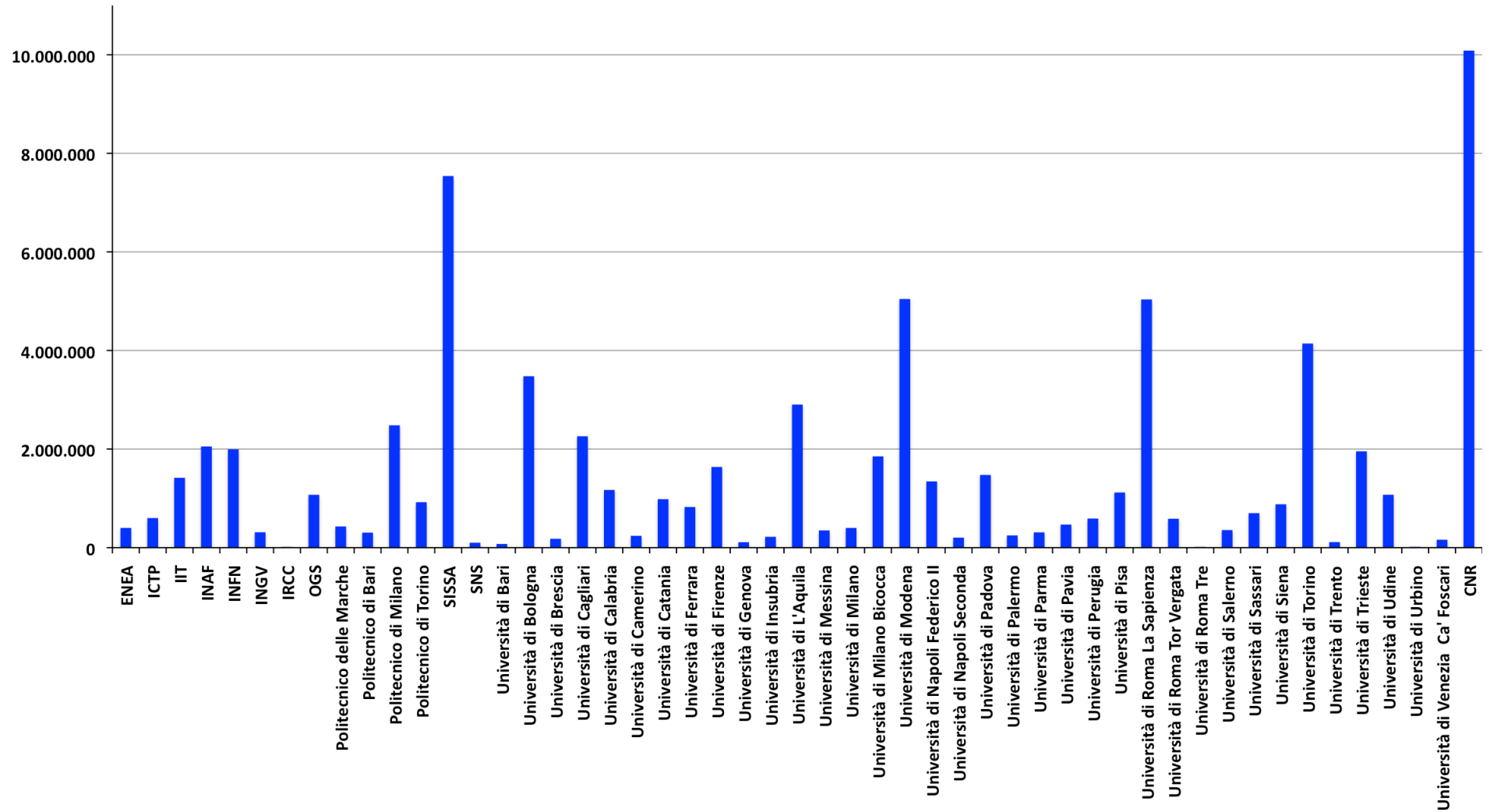
Production on IBM SP6 system; 5376 cores Power6, 4.75Ghz;

	A		B+C		Total
# proposals submitted	79		707		786
# proposals approved	48	61%	637	90%	685
Requested core hours	123.697.468		91.278.848		214.976.316
Core hours assigned	31.295.536	25%	40.943.098	45%	72.238.634
Core hours per proposals average	651.990		64.275		

Per institutions

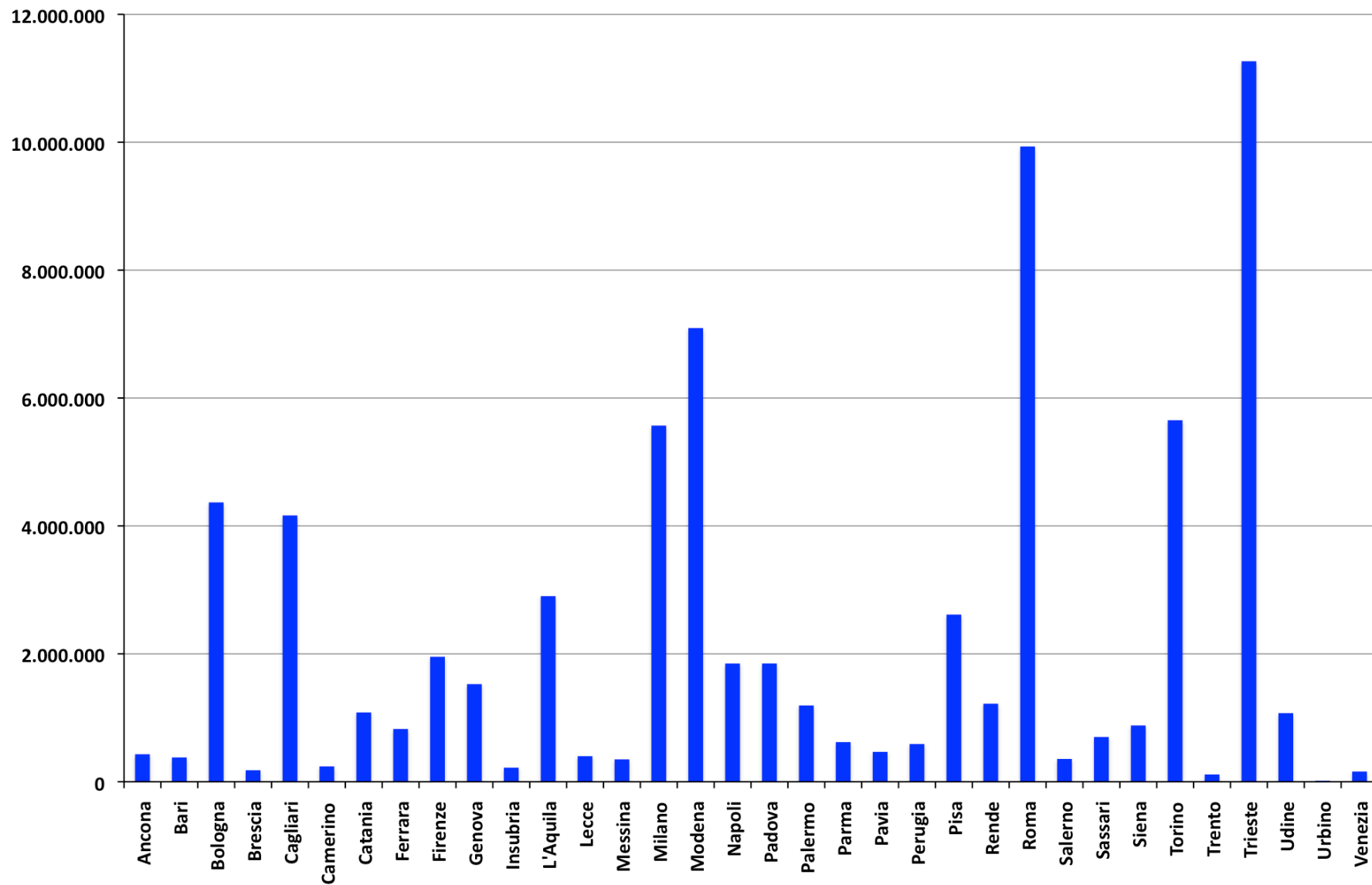


Assigned core hours per Institution



Per geographic areas

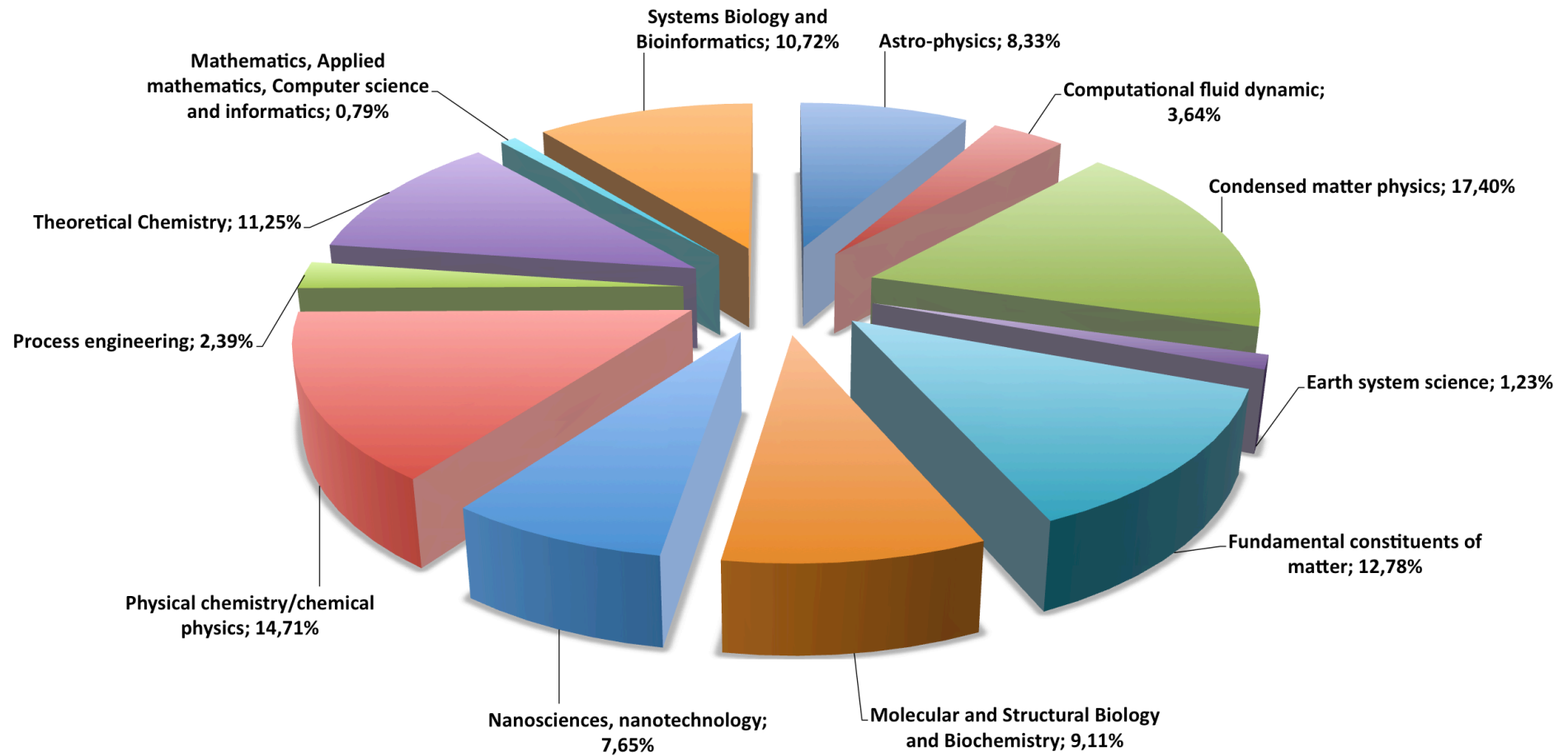
Assigned core hours per geographic Area



Per disciplines



Distribution per discipline



Estimated production on FERMI BG/Q per year



Class	Average granted per project (MI core hours)	Expected # of granted projects	Allocated MI of core hours
A > 5MI core hours	15	20	300
B < 5MI core hours	3	80	240
C < 2MI core hours	1	50	50
Trial 50K core hours	0,05	200	10
ISCRA Calls Total			600
PRACE Regular calls Total			600
Allocated per special projects			200