



# HADDOCK / WeNMR Suite for Structural Biology

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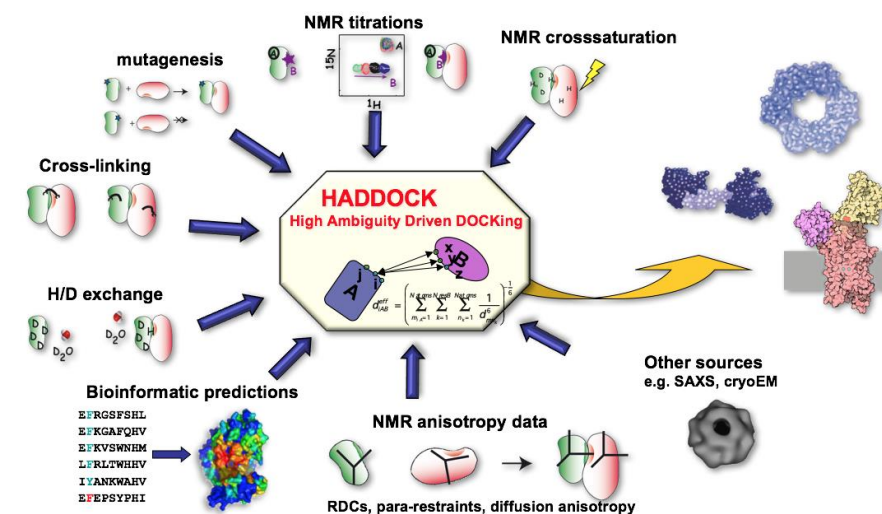
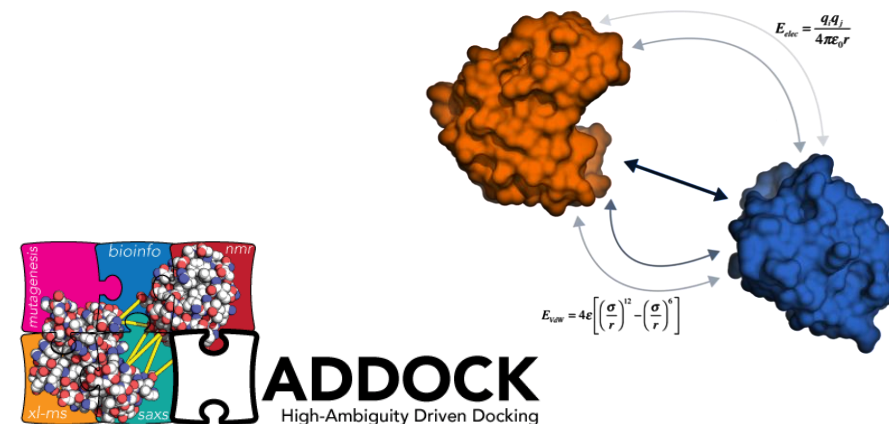


[eosc-hub.eu](https://eosc-hub.eu)



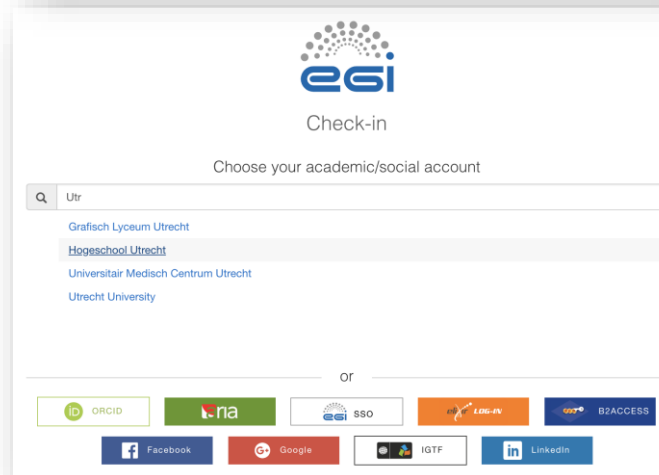
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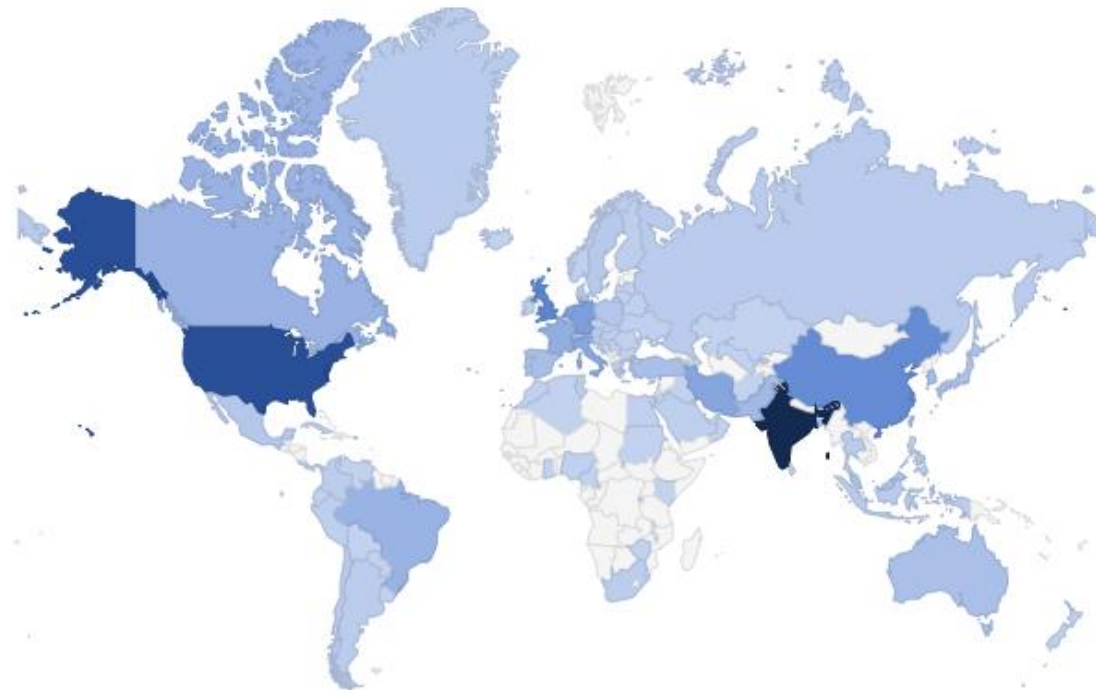
Dominguez, Boelens & Bonvin. JACS 125, 173 (2003).

- The **WeNMR services** are based on:
  - A web page front end to the service exposed to the user
  - Back end consisting of a variety of software and scripts
  - Make use of the **DIRAC4EGI/EGI workload** service for distributing compute jobs and of some **gLite** components in some cases
  - Make use of the **HTC EGI resources (grid, cloud, GPGPUs)** of EOSC-Hub to distribute the computations
  - User registration and authentication mechanisms connected to **EGI Check-in**
  - Some portals make use of **OneData** for data management
  - Some portals use the **INDIGO-Datacloud udocker** solution



- ◉ > 16'000 registered users
- ◉ > 110 countries reached
- ◉ > 25 millions jobs submitted to HTC resources per year
- ◉ Portals in grid operation mode since >10 years by now
- ◉ Supported by enmr.eu VO
- ◉ Make us of DIRAC for job submission/management

All\_Users HADDOCK DISVIS POWERFIT SPOTON CS\_ROSETTA3



	Country	All_Users	HADDOCK	DISVIS	POWERFIT	SPOTON	CS_ROSETTA3
1	Total Users	16,824	16,147	1,784	1,363	1,493	1,152
2	India	3,625	3,553	331	289	334	239
3	EU Users	3,767	3,533	473	318	291	240
4	United States	2,550	2,448	253	166	210	156
5	United Kingdom	996	946	85	68	60	69
6	China	933	913	88	78	91	60





**Thank you  
for your attention!**

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*Questions?*



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