Status report on ISHPDB administration

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on behalf of all database contributors

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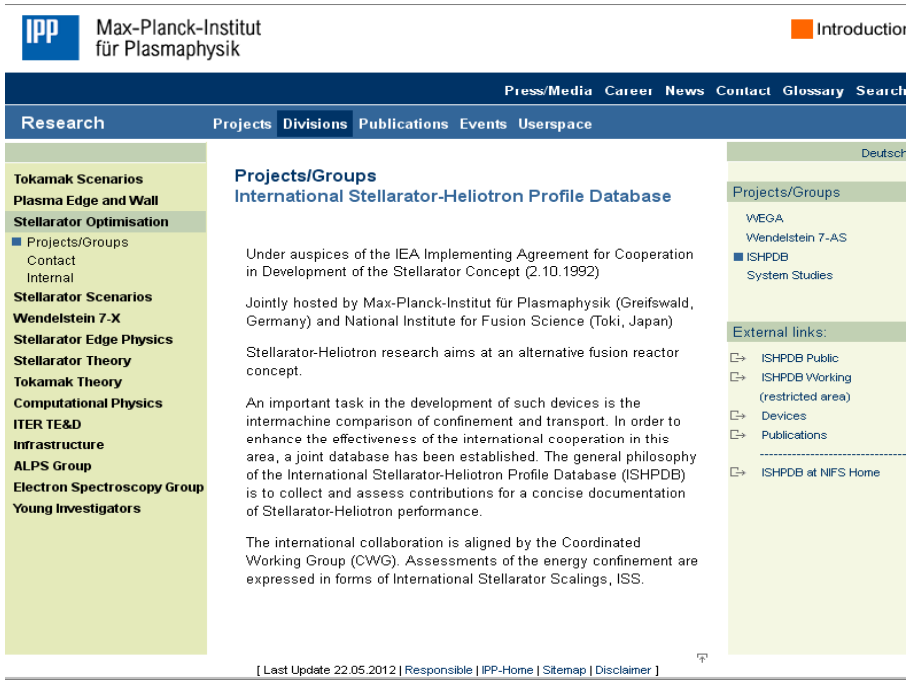
Web access to the database

IPP entry

http://www.ipp.mpg.de/ISHPDB



NIFS entry

http://ishpdb.nifs.ac.jp

Access restriction

- Public and Working areas
- Special restrictions to access configuration data (limited user group, separate password, usage agreement for NIFS data)

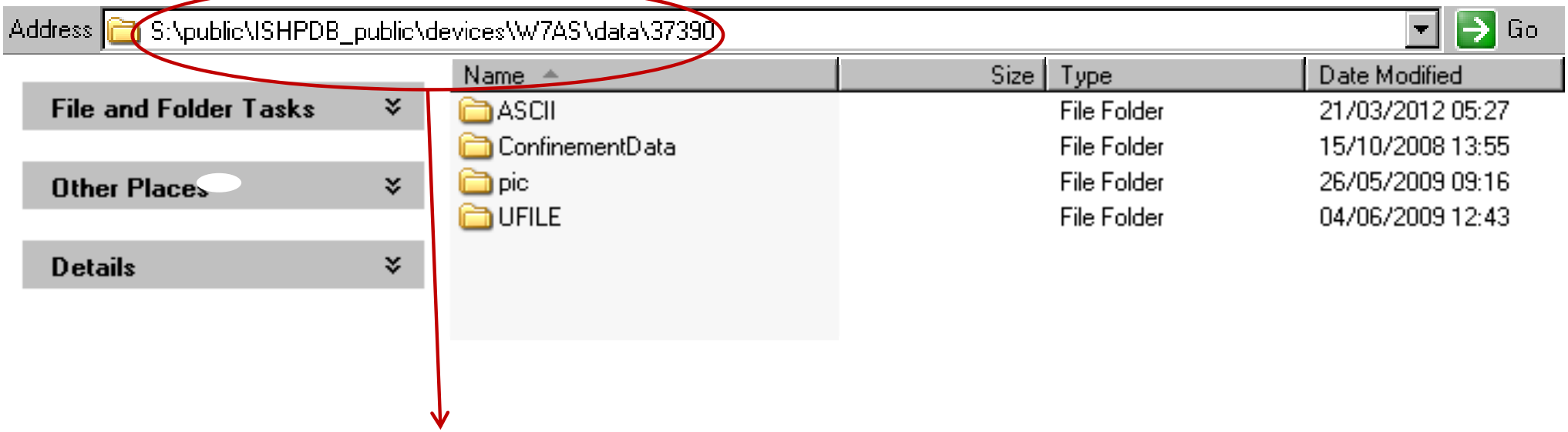
ISHPDB in the networked afs file system (1)

- ISHPDB comprises of >2900 datasets (ca. 1.1 Terabytes) stored in the IPP's afs file system
- Data accessible from NIFS via SCP, openAFS or with IPP account
- Public and Working areas correspondingly 2124/782 datasets (Mar. 3rd, 2013)

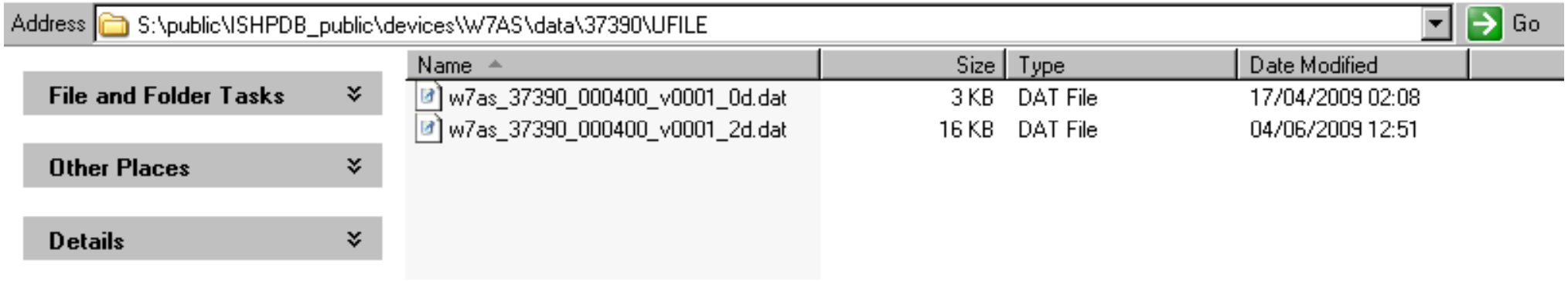
- A variety of data formats
  - Commonly used: doc, docx, txt, jpg, png, ...
  - *.dat (ASCII files used in the fusion community)
  - UFILEs (0D ,e.g. for confinement data, 2D for profiles)
  - Different approaches to save magnetic configuration data

ISHPDB in the networked afs file system (2)

Directory structure in afs



Working area has the same structure, additionaly containing ...\device\configuration folder.



Contributions to physics topics

No	Topic	Data available from	Last change
1	Confinement Data Often referred to as a ISHCDB Last version is ISHCDB_26 (19.12.2012)	ATF, CHS, HELE, HELJ, LHD, TJ-II, W7-A, W7-AS + HSX & W7-X not used in ISS04	12.2012
2	Core Electron Root Confinement (CERC)	HSX, LHD, TJ-II, W7-AS	02.2013
3	High Beta	LHD, W7-AS	07.2010
4	Validation of Neoclassical Transport Theory	LHD, TJ-II	11.2012
5	High Performance Data (high **n** xτx**T**)	W7-AS	02.2013
6	High Ti	LHD	12.2011
7	H-mode	CHS, LHD, TJ-II	10.2010
8	Edge Turbulence (M. Ramisch, Stuttgart)	AUG, HSX, MAST, TJ-K, URAGAN, W7-AS, WEGA	07.2012
	Stellarator Turbulence	(IPP theory departments)	12.2011
	Magnetic Configuration Data	LHD, TJ-II, W7-AS	02.2013

Next todos in the DB administration

Data

- Some Ufiles are still missing (see Webpages for the physics topics)
- Provide a generally accessible test code for Ufiles (take one from Sato-san?)
- Improve some 2D Ufiles: more explanation in the COMMENTS area is required
  (e.g. the meaning of the field THZ198 in w7as_54022)
- Create new Confinement Database version ISHCDB_27 (by adding TJ-II data)

Web

- Complete the Working Area page
- Further unification of the appearance of the single topics pages

Ongoing servicing

- ...