Applications WG

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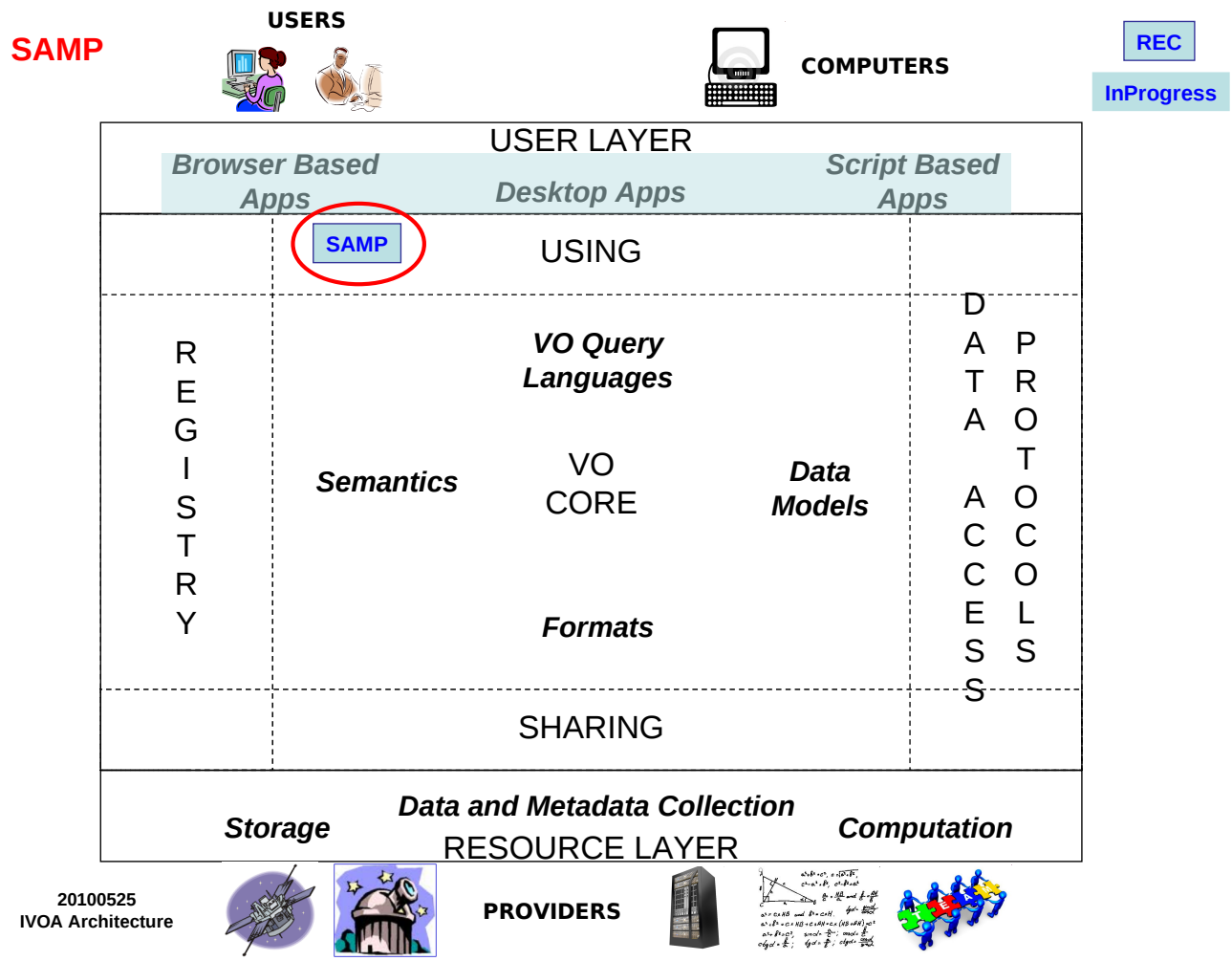
IVOA Interop Meeting

Naples

May 2011

SAMP Progress

Web Profile

- Under discussion: security
- Available options discussed (authentication, whitelists, restrict browser environments . . .)
- Conclusions:
  - ▷ Web Profile functionality is important to get working, soon
  - ▷ Available options for security improvements are dubious
  - ▷ Security issues are not so serious that Web Profile should be dropped/delayed
- Actions:
  - ▷ Plan to deal with security issues in *implementations* rather than *the standard*
    - ○ For now, Web Profile switched off by default in hubs
      (fairly safe, but inhibits non-expert use)
    - ○ Revisit this in the future following more experimentation/experience
      (best practice Note?)
  - ▷ Revised draft of SAMP 1.3 in next couple of months:
    - ○ No additional security measures in the standard
    - ○ Note what the security issues are
    - ○ Ensure sufficient hooks are in place that security could be added in future
  - ▷ PR→RFC following WG review and (minor) implementation changes
    - ○ Discussions on `apps-samp@ivoa.net` mailing list
  - ▷ Anticipate REC by Pune

IVOA Architecture: SAMP

SAMP

USERS

COMPUTERS

	USER LAYER	
Browser Based Apps	*Desktop Apps*	*Script Based Apps*

R E G I S T R Y	SAMP	USING		D A T A A C C E S S	P R O T O C O L S
		VO Query Languages			
	Semantics	VO CORE	*Data Models*		
		Formats			
		SHARING			

Storage	**Data and Metadata Collection** RESOURCE LAYER	*Computation*

**20100525
IVOA Architecture**

PROVIDERS

No change.

AppRegExt

Register applications in the registry?

- Interest from various groups
- Package manager experience in FASE
- More work on (App Store-like?) use cases needed to inform requirements?

Uptake

Could do better:

- $\sim 0.5\,\%$ of publications use VO
- $\sim 10\,\%$ of services compliant
- Many data centres do not offer (good) VO services
- VO services difficult to use for end-to-end science except by experts

Possible ways forward:

- Better tools for data providers
- Monitor metrics
- Release early and often

TAP Implementation

- There is lots!
  - Clients: CFA, tapsh, TOPCAT/STILTS, SAADA
  - Servers: GAVO, CADC, DSA, SAADA, VO-PDC, SIMBAD, HEASARC, JHU

- No serious issues with TAP standard reported

- Still some issues
  - Compliance (improving)
  - Registration:
    - ▷ locating TAP in existing registries
    - ▷ scalability of reg model for large TAP services
    - ▷ TapRegExt details

- Still needed:
  - ▷ Validator
  - ▷ Instructions for data providers

- On the whole, looking good ☺

General Presentations

- Marco Molinaro: **VO-Dance**

- Séverin Gaudet: **CADC VOSpace Client/Server**

- Abhishek Rawat: **VOIndia Portal/PyMorph**

- Thomas Boch, F-X Pineau: **CDS Xmatch service**

- Pierre Fernique: **HEALPix footprints**

- Raúl Gutiérrez-Sánchez: **VOSED**

- Carlos Rodrigo Blanco: **VOSA**

- Laurent Michel: **SAADA web interface**

- Sharmad Navelkar: **VOPlot**

- Massimo Sponza: **gLite portal**