

WP4 (Deployment) Report

VAMDC PMI
April 2010

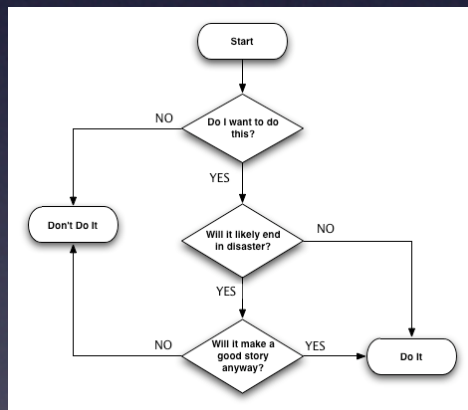


Deploy what?

Standard UIs (portals, desktop apps)



Standard interfaces



Codes



Data-sets



Metadata



few

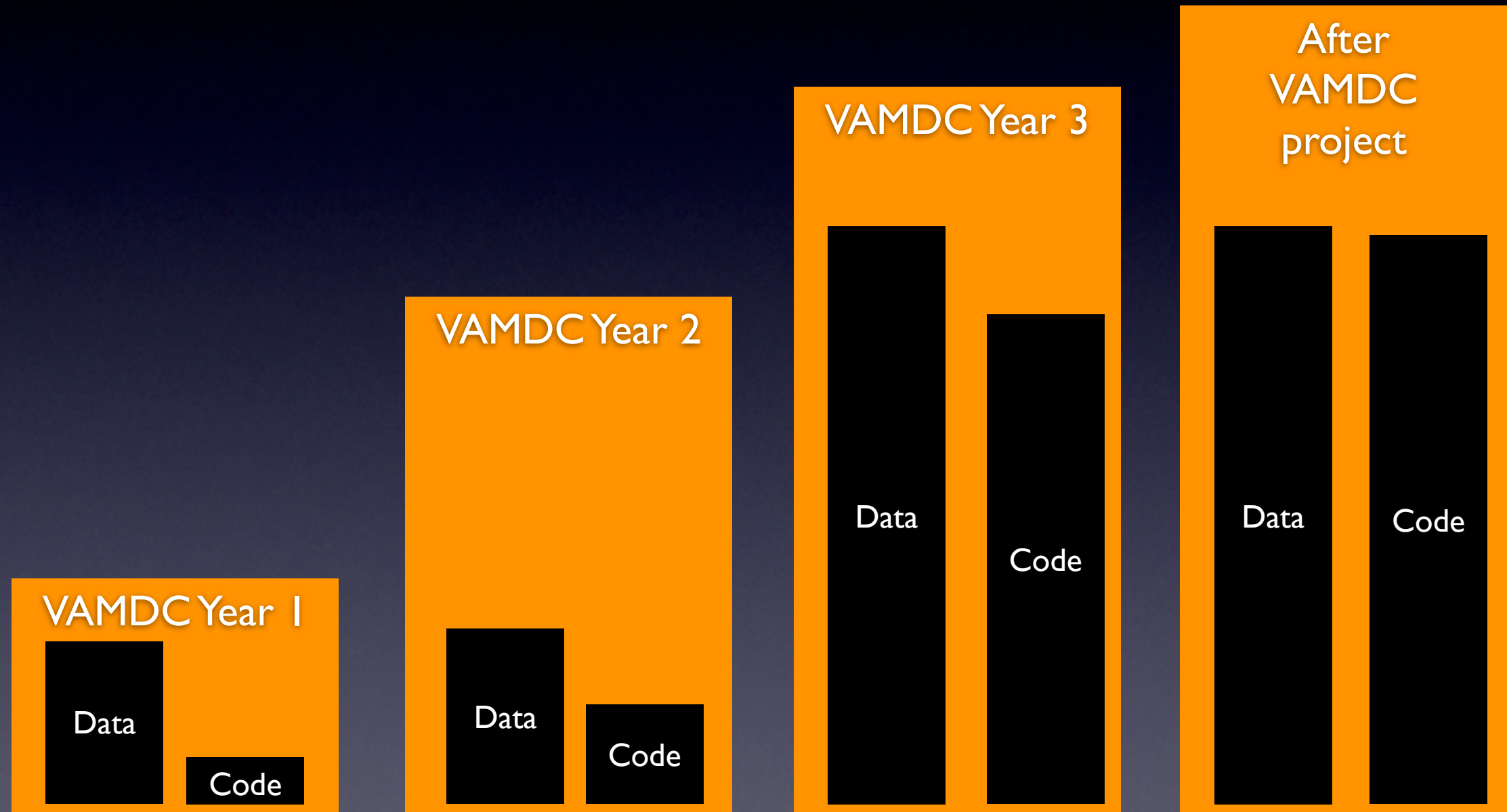
many

Have these already

What's a “standard interface”?

- Usually a web-service
- Usually emits data in response to queries
- Uses VAMDC standard formats (e.g. XSAMS)
- Don't know details yet: ask WP6 & WP7

Deploy when?



Tasks, years 1..3

- Task 1: standard access to data (lead UCAM)
- Task 2: standard access to codes (lead CNRS)
- Task 3: registry (lead UCL)
- Task 4: standard UIs (lead UCL)
- Task 5: desktop apps (lead CNRS)
- Task 6: expanding infrastructure (lead CNRS, UCAM)

Tasks, year 1

- Task 1.1: TAP access to data
- *Task 1.2: ingest data into relational databases*
- *Task 1.3: early prototypes of VAMDC data-services*
- Task 3.1: choose registry host
- Task 3.2: install registry software
- Task 3.3: register existing resources
- Task 4.1: distribute TAP-capable VODesktop
- *Task 4.2: adapt VODesktop to VAMDC data-services*

TAP

- TAP Table Access Protocol, from IVOA
 - <http://www.ivoa.net/Documents/TAP/>
- Task 1.1 is **done**:
 - XStarDB
 - BASECOL
 - CHIANTI
 - Used existing AstroGrid DSA/Catalogue s/w

Standard data interfaces

- Tasks 1.2 and 1.3 are **pending**
- Waiting on WP6 (standards) and WP7 (tools)

Registry

- Tasks 3.1, 3.2, 3.3 all **done**
- Registry is at MSSL
- Registry web UI for registrants:
 - http://registry.vamdc.eu/vamdc_registry
- Registered all data sets from deployment census

VODesktop

- It's an AstroGrid UI-program
- Talks to data and code-execution services
- Task 3.1 is **done**: TAP-capable VODesktop available
 - Wiki: DownloadableSoftware
- Task 3.2 is **pending** standards development

Extra: codes work

- CNRS discussions and codes census
 - [Wiki: SaIT2](#)
- IVIC experiments - see Claudio Mendoza's talk
- CHIANTI apps - see Kevin Benson's talk in tech. workshop
- CEA interfaces to work with VODesktop

Extra: web portal

- Basic portal to exploit registry
- Expect nicer portal in C2 after standard data-services available
- See Asif Akram's talk in tech. workshop

Rest of CI: missed resources

- Register anything new
- Register anything missed out of deployment census

Rest of CI: metadata

- Improve metadata in registry:
 - Descriptions
 - Keywords
 - Information links
 - etc.
- Site tech contacts please do this: I will email instructions

Rest of CI: XSAMS etc

- Deploy XSAMS data services (tasks 1.2)
- This implies getting data into RDBMS (task 1.3) - WP4 will help/coordinate
- Add XSAMS UI to VODesktop/portal (task 4.2)
- Expecting to use a service standard with near-final data model but preliminary query-language
- Need ~4 data sets for trials. Volunteers?

Rest of CI: polish

- Serious QA (tests are by WP5, response by WP4)
- Make sure everybody up to current s/w versions
- Attempt stable system for review in month 10
 - May need to “freeze” system temporarily
 - Consider having a second registry for experiment during freeze