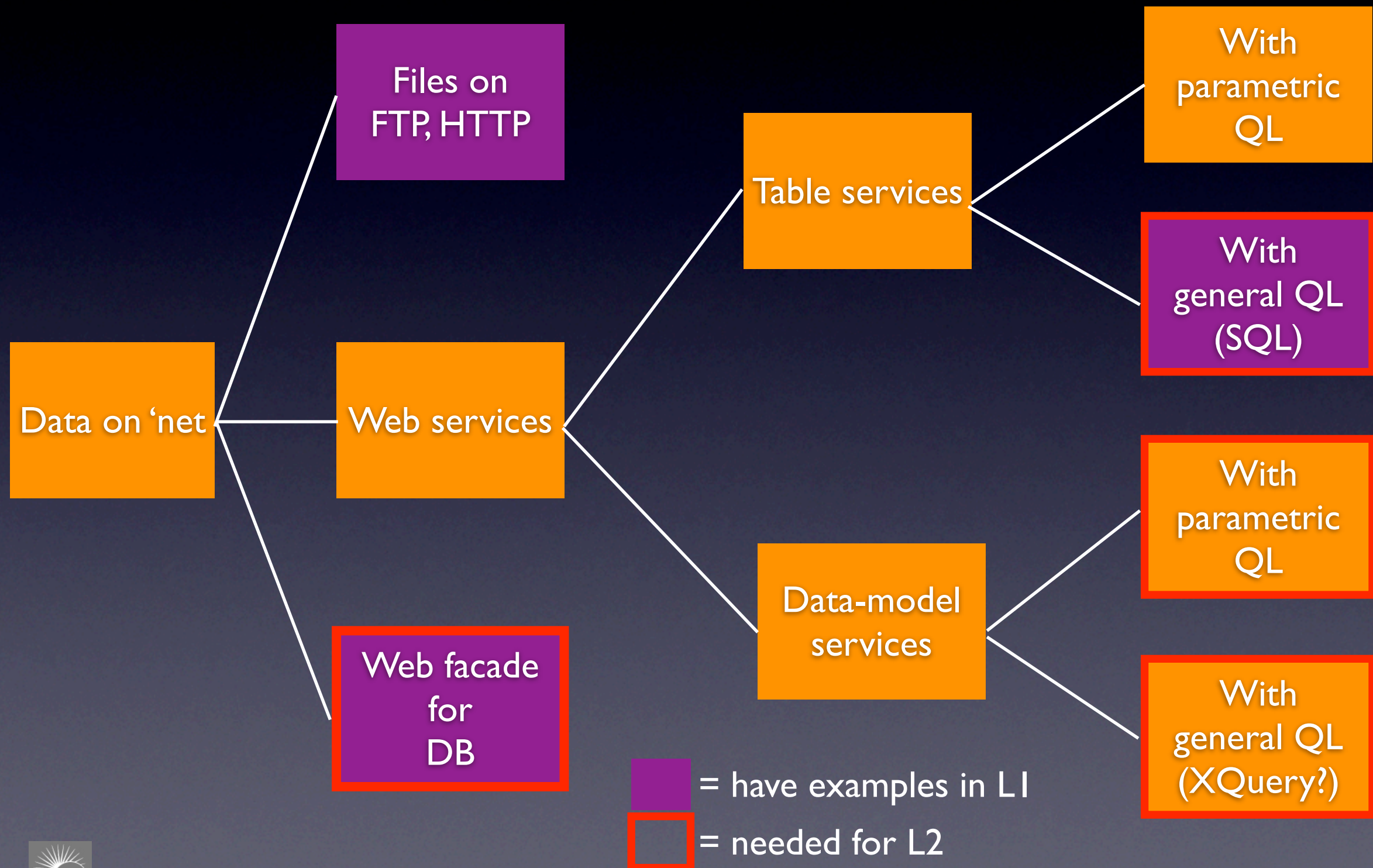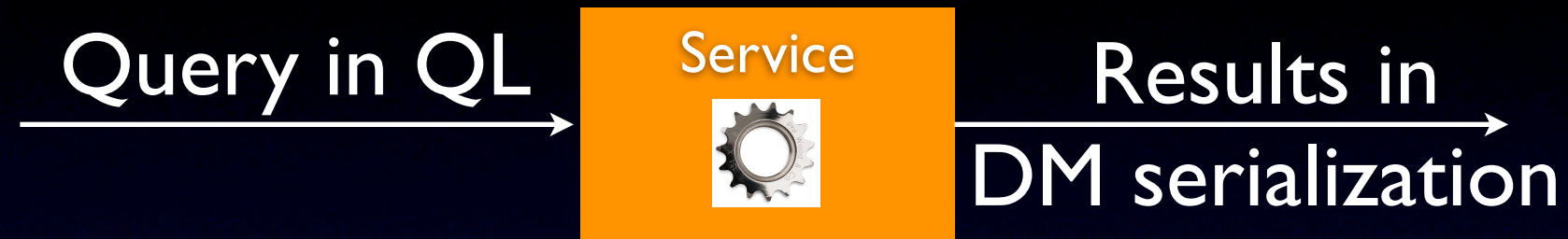# Level-2 system release

VAMDC PM1
April 2010

Gettin' real

- This one needs to work -

- for end-user's version of "work"

- Expect to get (almost) all the data services done

Data services: taxonomy

Files on FTP, HTTP

Data on 'net

Web services

Web facade for DB

Table services

Data-model services

With parametric QL

With general QL (SQL)

With parametric QL

With general QL (XQuery?)

■ = have examples in L1

□ = needed for L2

Evolving the DM service

Query in QL $\longrightarrow$ Service $\longrightarrow$ Results in
DM serialization

Evolving the DM data-service

Query in QL → **Service** → Results in DM serialization

- Level 1: DM schema stable, QL preliminary

- Level 2a: DM stable, QL(s) stable

- Level 2b: DM fixed, QL(s) stable

- Level 2c: DM and QL(s) fixed

Evolving the DM data-service

Query in QL → **Service** → Results in DM serialization

- Level 1: DM schema stable, QL preliminary

- Level 2a: DM stable, QL(s) stable

- Level 2b: DM fixed, QL(s) stable

- Level 2c: DM and QL(s) fixed
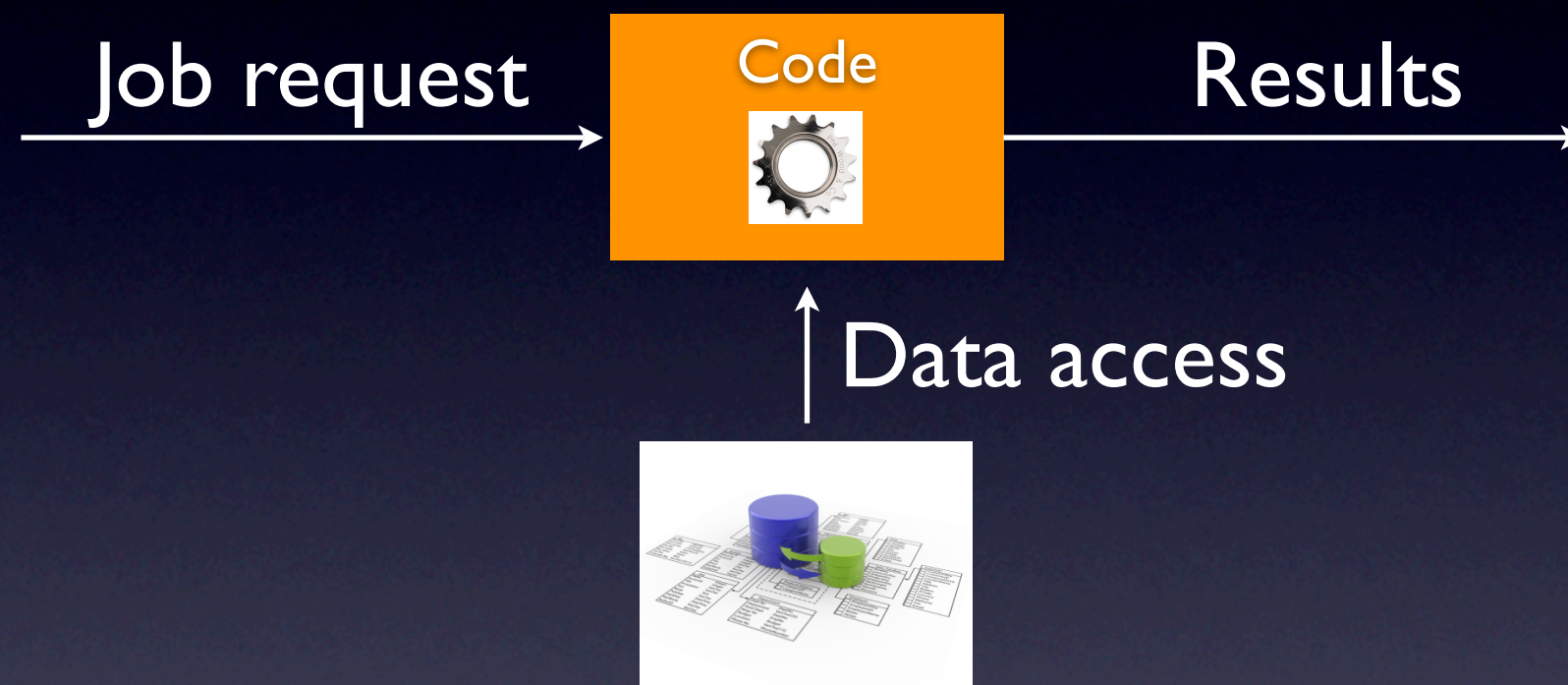
Want to be at least here by C2 review

Data-sets getting DM services

- Everything in deployment census

- Any new ones? (Please email WP4 list)

- ⇒ Several data-sets need to go in RDBMS

- ⇒ All VAMDC nodes involved this cycle
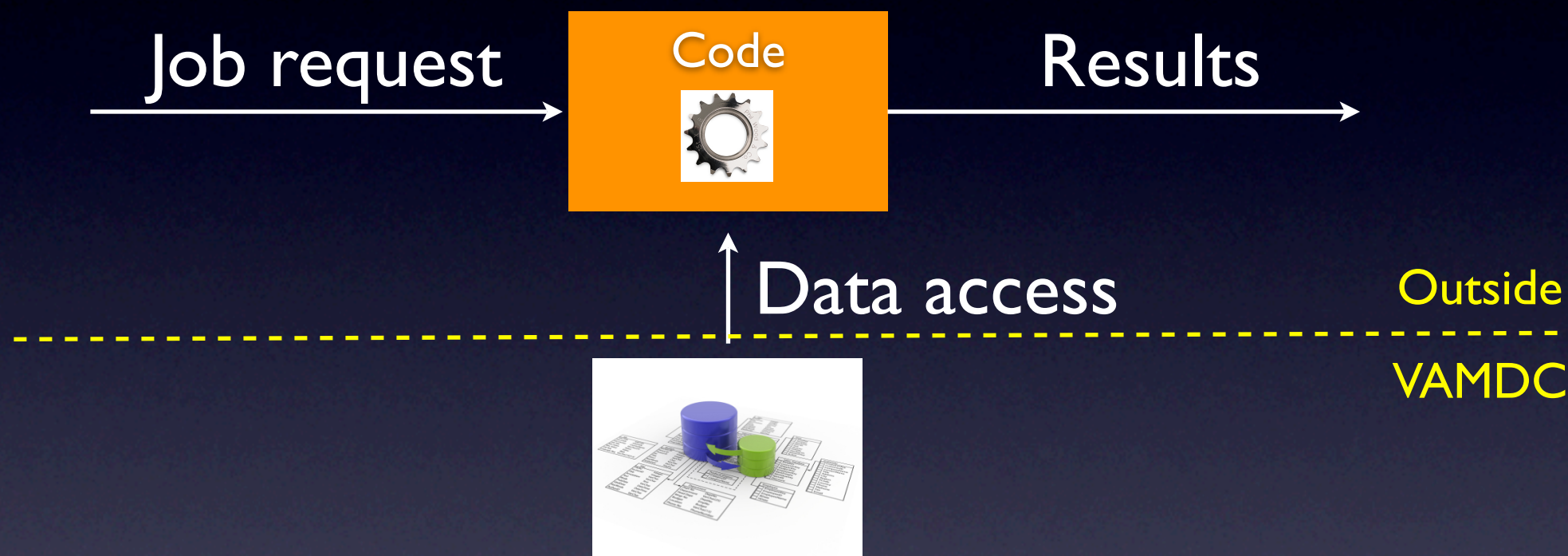
Table-data services

- Should we multiply the TAP services?
- Pro:
  - Access data not fitting VAMDC DM
  - Good for astronomers (IVOA standard)
  - Easy to implement
- Con:
  - Harder to use - need to introspect DB schema
- Check use cases

Codes: proposed re-think

Job request → **Code** ⚙ → Results

↑ Data access

- New approach: treat codes as outside core VAMDC

- ⇒ **work on data access** *from* codes, not user access *to* codes

Codes: proposed re-think

Job request → Code → Results

Data access

Outside

VAMDC

- New approach: treat codes as outside core VAMDC

- ⇒ work on data access *from* codes, not user access *to* codes

Codes: candidates

- Want sample refurbished codes for C2 review

- Suggest 3-4 examples

- Draw from codes "owned" by VAMDC partners

- Volunteers? (Significant dev. work involved)

- Suggest: PDR, VALD tools, XStar, Tomsk Spectral functions

Portal

- L1 portal focused on infrastructure

- L2 portal should focus on science

- Capture use-cases from Uppsala workshop

- Evolve or replace?

- More than one portal?

- Make portal API library?

VODesktop

- De-emphasis VODesktop in favour of portal

- Do minimal changes (conserve effort)

  - Add client for VAMD DM-data services

- Extra desktop apps to work *with* VODesktop?

Registry

- Register new services as they come on-line

- Site tech. contacts to register their services

  - Contact K. Benson or G Rixon for help

- WP4 to improve registration (web) UI

  - Send suggestions to WP4 list, please