Implementation of scenario A
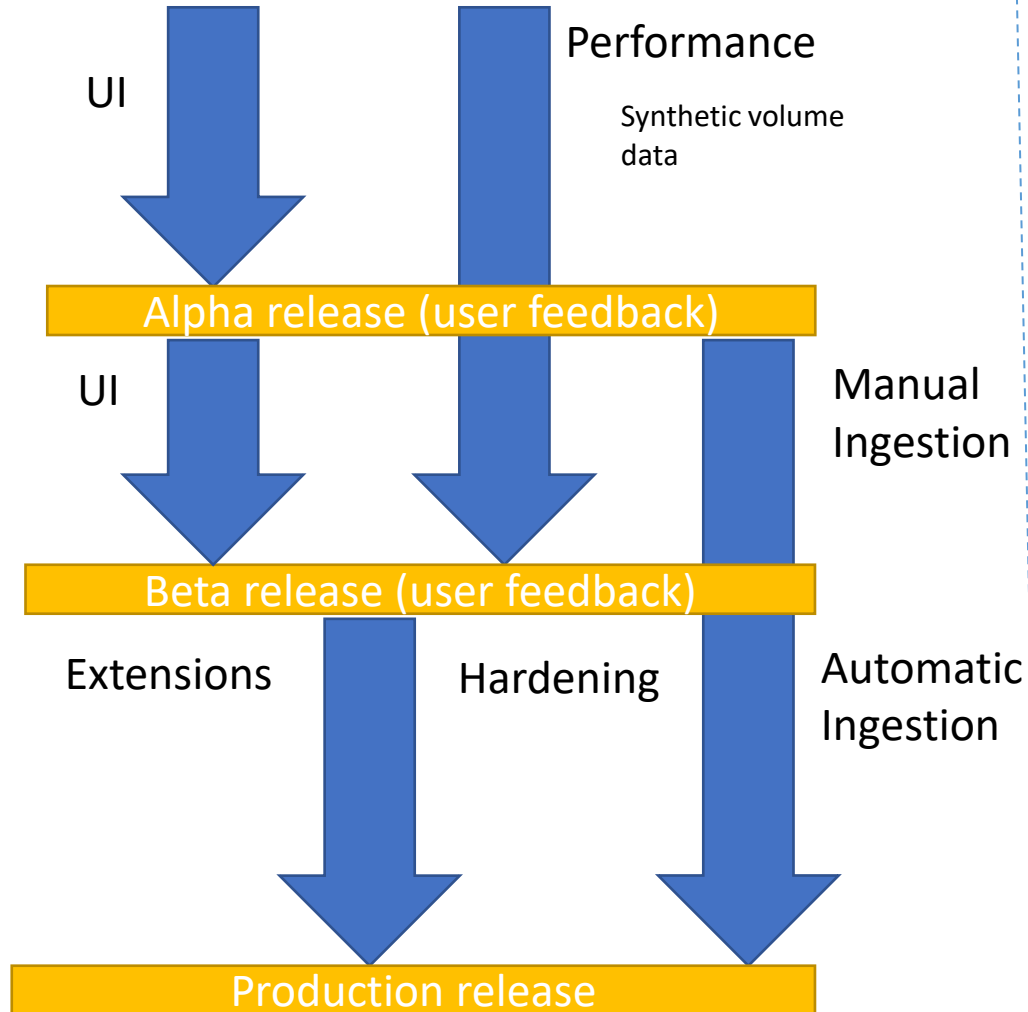
Portal test installation on GW/PSNC
JIRA for issues and planning
Gitlab for software sharing

Dashboard/portal

Small subsets of

- Pedestal db
  - AUG_F4F
  - JET-F4F
  - ITERdb_F4F
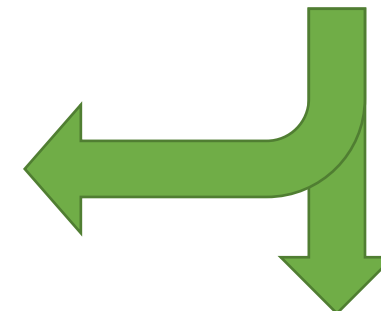
coming
  - WEST
  - TCV
  - (Disruption?)
  - ???

UI

Performance

Synthetic volume data

Alpha release (user feedback)

UI

Manual Ingestion

Beta release (user feedback)

Extensions

Hardening

Automatic Ingestion

Production release

Sites Services

Data mappings

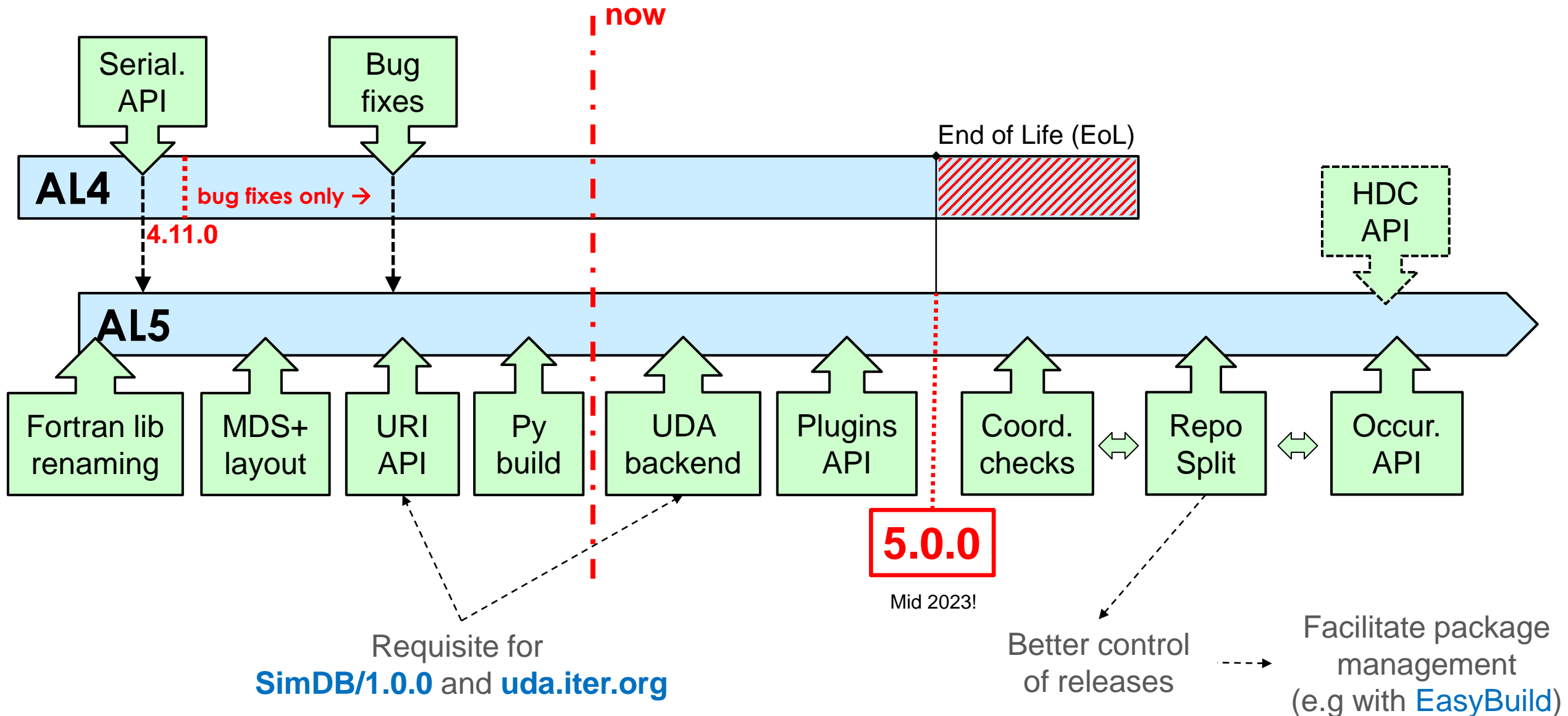Data Workflow

General issues
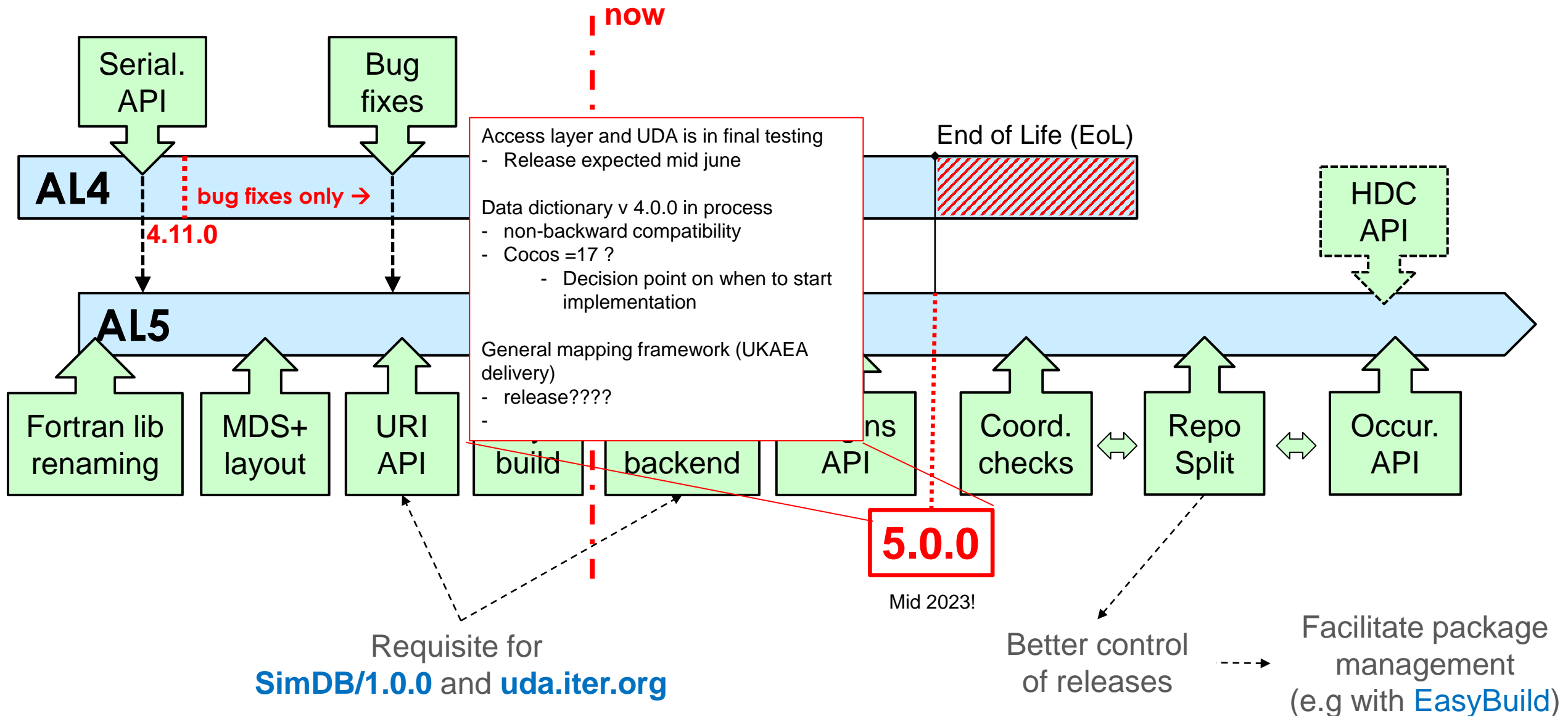
Availability of data?

Impact of IMAS/DD/UDA update?

Timeline?

Next steps for sites?

IDS_SUMMARY
Cocos 11 → 17?

Access-Layer: roadmap for 2023 onwards

Access-Layer: roadmap for 2023 onwards

now

Serial. API

Bug fixes

AL4

bug fixes only →

4.11.0

End of Life (EoL)

Access layer and UDA is in final testing
- Release expected mid june

Data dictionary v 4.0.0 in process
- non-backward compatibility
- Cocos =17 ?
    - Decision point on when to start implementation

General mapping framework (UKAEA delivery)
- release????
-

AL5

Fortran lib renaming

MDS+ layout

URI API

build

backend

ns API

Coord. checks

Repo Split

Occur. API

HDC API

5.0.0

Mid 2023!

Requisite for
SimDB/1.0.0 and **uda.iter.org**

Better control of releases

Facilitate package management
(e.g with EasyBuild)

IDM: 8QFXW6

Prototyping scenario B

Aim: provide a single interface to multiple devices:

Blueprint "main line" of implementation

- Develop <u>relevant</u> data mappings on Sites
- Provide remote access to data through UDA
- Enhance core services to get data (Portal/CLI)

Questions/discussions points

Data mappings:
- Is the new json based mappings sufficient?
- Can we run "external applications" to get data?
- How to deal with processed data? Core_profiles?
- Use case dependent! MHD stability different from
  Predictive simulations. (Want to have TRANSP inputs
  rather than TRANSP outputs!). Edge profiles ?

UKAEA experiences: need to bring in the diagnosticians /
Modellers and physics experts.

UDA/IMAS
- What is the current status of IMAS on each site? UDA?
- What is the time frame for updating to UAL 5.0.0 after release
    - Software distribution? How? Who is responsible?
    - Site activites?
        - IMAS installation
        - UDA installation
        - UDA plugin for site – General framework
        - JSON mappings + extras

    - Integration with AAI?

- Core facilities – priorities for developing the user interfaces?

How will this interface with the new call being prepared ? Overlap of resources? Alignment?