

GREAT Chemo-Dynamical Survey (GCDS)

Organisation and Survey Planning

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GCDS Scorecard to date

GCDS Community	progressing	GCDS	Science at this meeting
4-m surveys (N)/ new MOS	progressing	WHT/ La Palma + CFHT	Possible via (NL/E/UK+) & CFHT
4-m surveys (S)/ new MOS	progressing	ESO/ VISTA	LoI approved
8-m surveys	progressing	ESO – Flames	Two LoIs submitted
GREAT Support	In hand		ESF and ITN

Next steps: for discussion last session tomorrow

not so far away now: are we ready?

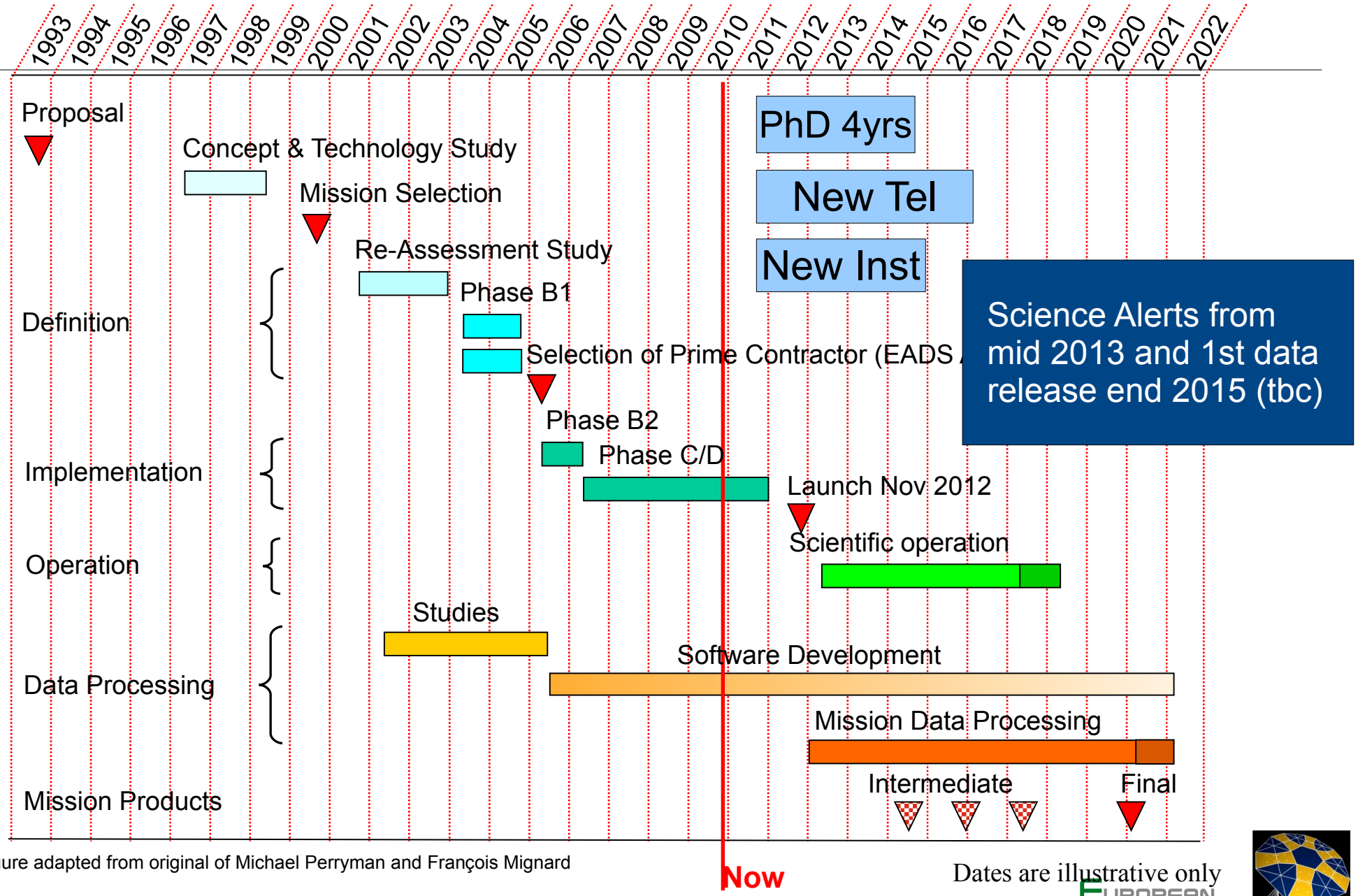


Figure adapted from original of Michael Perryman and François Mignard

Dates are illustrative only

GREAT Chemo-Dynamical Survey

GCDS Kick-off meeting (27 Apr 2010)

http://camd08.ast.cam.ac.uk/Greatwiki/GreatCds/GcdsParisApr2010

- The Science Experiments
  - SE1: Mass Distribution of the Galaxy
  - SE2: Galaxies formation and evolution traced by chemistry
  - SE3: Clusters and star formation and evolution
  - SE4: Additional and Legacy Science
- Development of these proceeding – see
  - http://camd08.ast.cam.ac.uk/Greatwiki/GreatCds/GcdsSe1
  - http://camd08.ast.cam.ac.uk/Greatwiki/GreatCds/GcdsSe2
  - http://camd08.ast.cam.ac.uk/Greatwiki/GreatCds/GcdsSe3
  - http://camd08.ast.cam.ac.uk/Greatwiki/GreatCds/GcdsSe4

THE INCLUSIVE ELEMENT of GCDS

Discussion Points

- Apr 2010 Paris meeting – general conclusion to proceed with GCDS
  - If so – set the structure and policies
- Near term realities
  - 8-m survey proposals – towards full proposals
  - 4-m instrumentation/ survey proposals
- How or whether to tightly/ loosely integrate these initiatives under the GCDS umbrella
- Value of the wider GREAT programme
  - ESF RNP meeting support
  - ITN students and research projects

8-m Survey Proposals

- LoIs submitted
- Outcome Dec 10/Jan 11 timescale
- Submission due 1 Apr 2011

- Writing the proposal(s)
  - Who does what when
  - MW and OC teams proceed in parallel at this stage

4-m Instruments/ Survey Plans

- ESO LoIs submitted: 4mMOSST (VISTA) proceeds
  - Instrument / survey plan required by 1 Mar 2011
- Northern initiatives: GYES (CFHT)/ WEAVE (WHT)
  - GYES now in a study to PDR

- Especially ESO – need to demonstrate synergy between the 4-m and 8-m survey cases

GREAT and further networking

- ESF RNP: workshop and exchanges
  - Science/ planning for the new instruments
  - Specific topics for the 8-m challenges – e.g. techniques for abundance analysis

- ITN:
  - 12 ESR projects GCDS related

Towards GCDS: defining a role

- Aid cohesion in the Gaia related spectro-survey and instrumentation initiatives
- Provide 'critical mass' when bidding for funds
- Provide a core science case for the various survey elements
- Build on the evolving community work to date

- GCDS is currently evolving in an add-hoc manner
  - agreement or otherwise as to GCDS will be required
  - formalise the steering group