

H2020-INFRADEV-1-2014

DEVELOPING NEW WORLD-CLASS
RESEARCH INFRASTRUCTURES

95 M€

INFRADEV-4-2014

Implementation and operation of cross-cutting services
and solutions for clusters of ESFRI and other relevant
research infrastructure initiatives

55(2014) + 25(2015) M€

Focus on ESFRI projects in a specific thematic area that is
broad enough to gather critical mass

Project Envelop: 6-15M€.

Nonetheless, this does not preclude submission and selection of proposals requesting other amounts.

Specific Features

Exploit synergies, optimize technological implementation of common solutions, harmonization, RI interoperability

- Centred around ESFRIs but involving other RI
- Gathering **critical mass** in a specific **thematic area** for the **implementation** of a coherent set of **common activities**:
 - Development of common critical components
 - Development of service interoperability and common data and access policies
 - Development of the innovation capacities of RI
 - Training of RI managers

| Social Sc. & Hum. (5) | Life Sciences (13) | | Environmental Sciences (9) | | Energy (7) | Material and Analytical Facilities (6) | Physics and Astronomy (10) | | e-Infrastructures (1) |
|-----------------------|--------------------|-----------------|----------------------------|-----------|-------------|--|----------------------------|--------------|-----------------------|
| SHARE | BBMRI | ELIXIR | ICOS | EURO-ARGO | ECCSEL | EUROFEL | ELI | TIARA* | PRACE |
| ESS Survey | ECRIN | INFRA FRONTIER | LIFEWATCH | IAGOS | Windscanner | EMFL | KM3NeT | CTA | |
| CESSDA | INSTRUCT | EATRIS | EMSO | EPOS | EU-SOLARIS | European XFEL | E-ELT | SKA | |
| CLARIN | EU-OPENSREEN | EMBRC | SIAEOS | EISCAT_3D | JHR | ESRF Upgrade | SPIRAL2 | FAIR | |
| DARIAH | Euro BioImaging | ERINHA BSL4 Lab | | COPAL | IFMIF | NEUTRON ESS | SLHC-PP* | ILC-HIGRADE* | |
| | ISBE | MIRRI | ERIC established | | HiPER | ILL20/20 Upgrade | | | |
| | ANAEE | | ERIC in preparation | | MYRRHA | | | | |

Distributed research infrastructures
 Single sited research infrastructures

RI's in the implementation phase

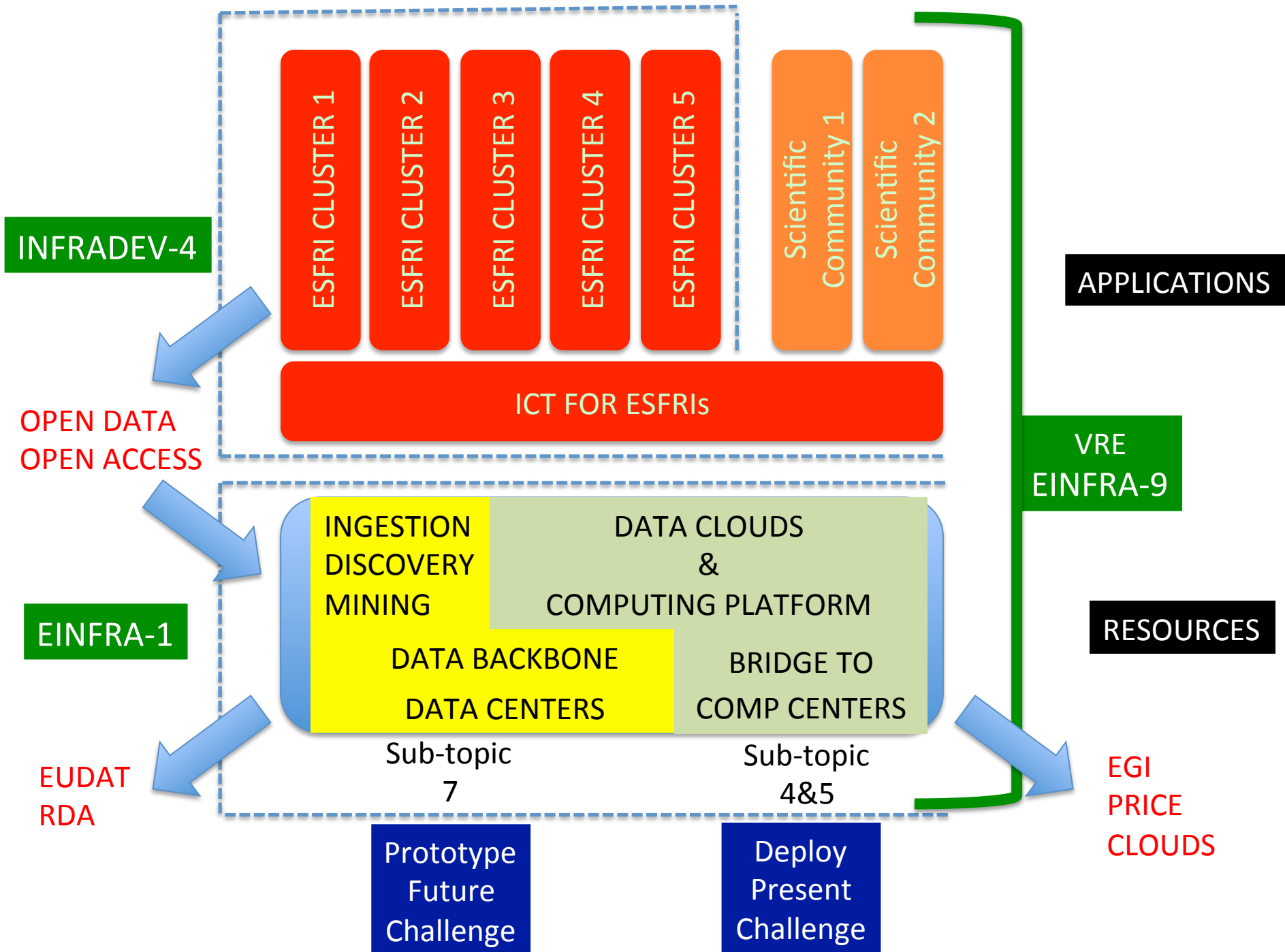
Contact with responsible person for infradev4 proposal, and with some ESFRI coordinator: excellent feed-back

ITALIAN PRESIDENCY OF THE COUNCIL OF THE EUROPEAN UNION INTERNATIONAL CONFERENCE

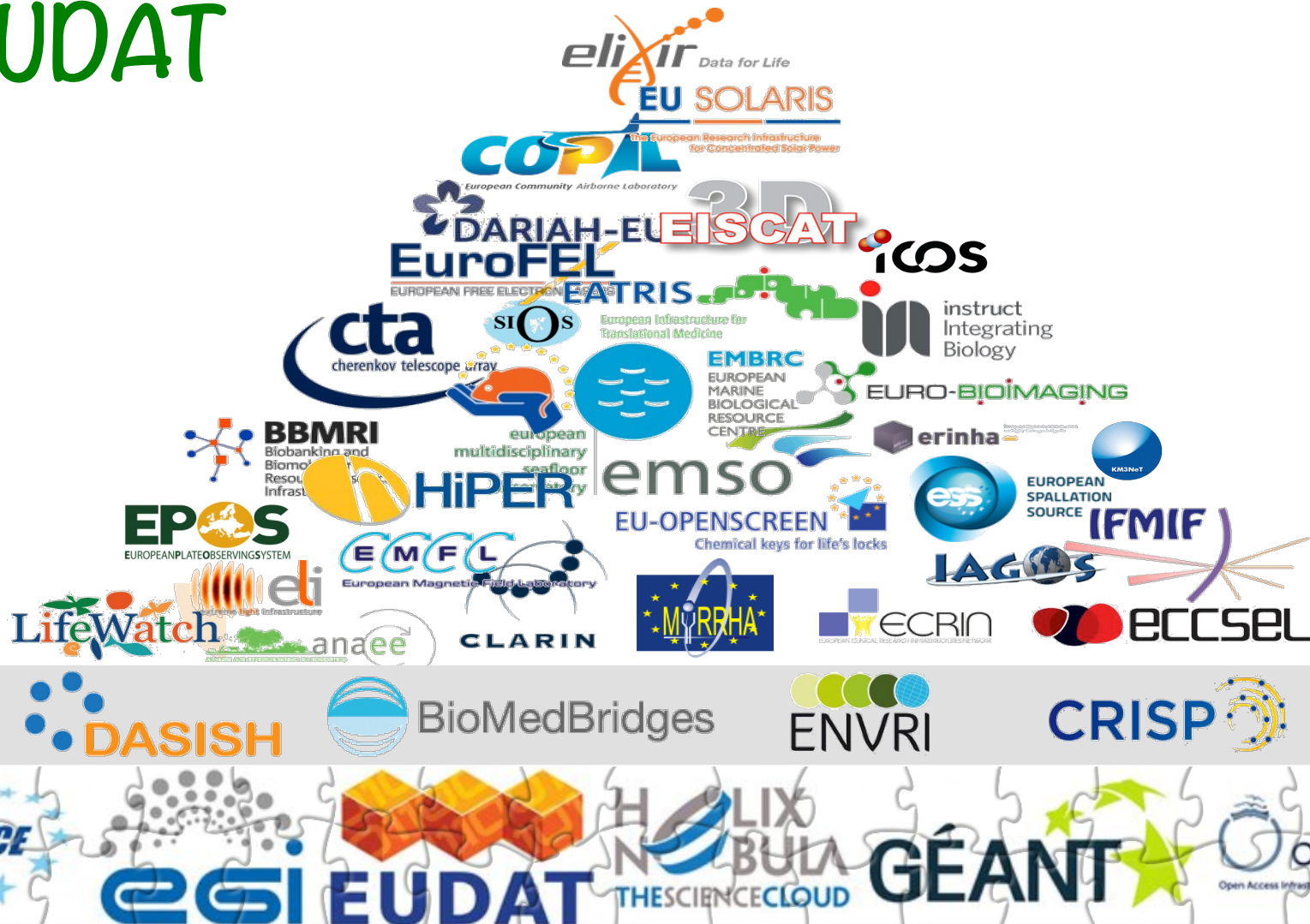
RESEARCH INFRASTRUCTURE AND e-INFRASTRUCTURES FOR DIGITAL CULTURAL HERITAGE

Rome, 13-14 November 2014 - National Library - v.le Castro Pretorio 105.

| | |
|---|---|
| 14.00-17.00 | Session 1 |
| E-infrastructures for cultural heritage research: the present and the future | |
| Chair: Wim JANSEN <i>European Commission, Directorate General CONNECT</i> | |
| | |
| | EU-T0, a European Data Research and Innovation Hub for implementing a point of connection and coordination among major national e-infrastructures. <i>Marcello MAGGI, INFN Bari</i> |



EUDAT





Realising the full potential of research data: common challenges in data management, sharing and integration across scientific disciplines

Authors: L. Field (CERN), S. Suhr (EMBL-EBI), J. Ison (EMBL-EBI), W. Los (UVA), P. Wittenburg (MPI), D. Broeder (MPI), A. Hardisty (Cardiff University), S. Repo (ELIXIR), A. Jenkinson (EMBL-EBI)

| | CRISP | ENVRI | DASISH | BioMedBridges |
|--------------------------------------|-------|-------|--------|---------------|
| Data identity | | | | |
| Software identity | | | | |
| Data continuum | | | | |
| Concept identity | | | | |
| User identity management | | | | |
| Common Attribute Scheme | | | | |
| Common data standards and formats | | | | |
| Service discovery | | | | |
| Service market places | | | | |
| Integrated data access and discovery | | | | |
| Data storage facilities | | | | |
| Data curation | | | | |
| Privacy and security | | | | |
| Dynamic data management | | | | |
| Semantic annotation and bridging | | | | |
| User Community Body | | | | |
| Reference models | | | | |
| Education & training | | | | |

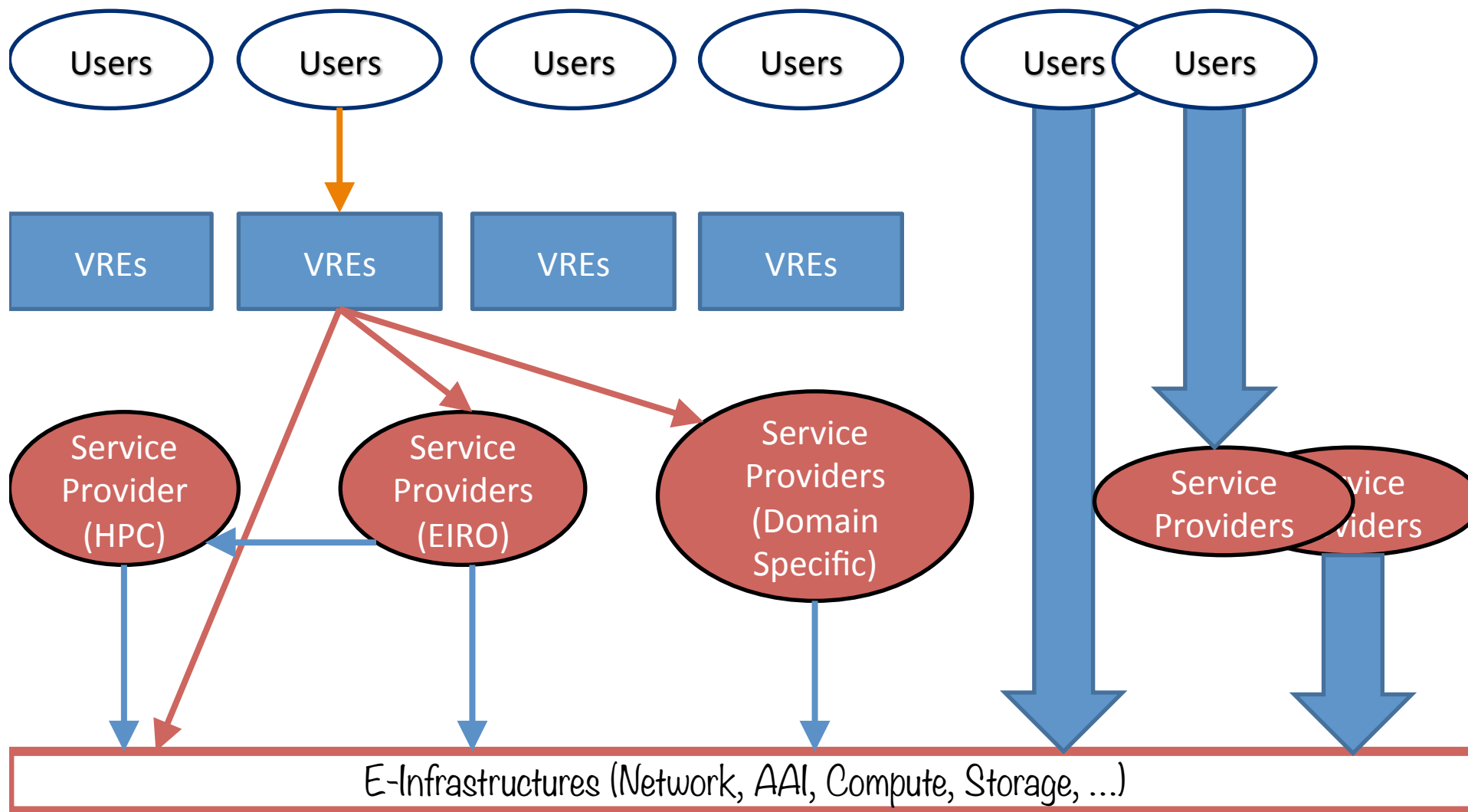
How Users would enter the e-Infra

In the informal survey “User” does not like to be taken “outside” the development process

- They are giving inputs and eventually requirements
- But they need to refine them continuously in close contact with the infrastructure/platform/service provider, and validate
- Realistic use case should always be in use to avoid unrealistic demo, prototype...
- Need a clear deployment plan

Steven Newhouse, Head of Technical Services (EMBL-EBI)
European Bioinformatics Institute
European Molecular Biology Laboratory

Who is influencing who?



e-Infrastructure User Forum, CERN 18-19/11/2013

Which Project

- Consortium:

EU-TO partners owner of e-Infra

(main partners of) ESFRI, ERICs

(EGI? PRICE? EUDAT? HELIX NEBULA? GEANT?)

- Envelop:

10-15 M€ in two years

Time is short:

1 page summary within a week

4 pages draft proposal in 10 days