

IaaS - The Norwegian Way

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- 170 institutions, HE + research
- Network + federation + security
- HPC / e-infrastructure (UNINETT Sigma2)
- Development programmes; administrative systems, campus networks, education services - cloud services (UH-sky)
- Above the net services
 - administrative, education
 - selfmade, reseller, frameworks
- 100+ employees, 25 in service procurement, management, delivery & marketing

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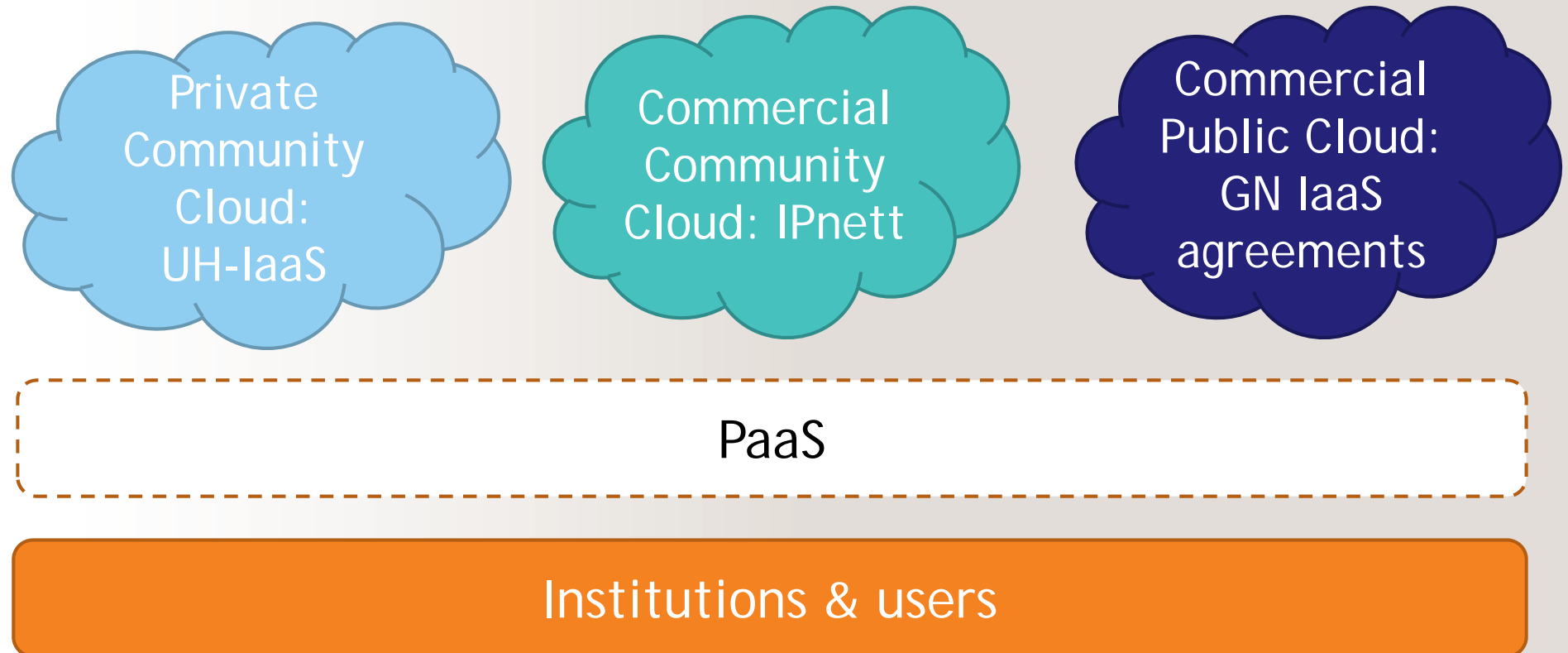
UH-sky (HE Cloud) - the Norwegian cloud initiative

- Development program, started in 2013 by UNINETT and the 4 major universities
- Ministry funding 2016 - 2018, € 1,5 million/Y
- Coordinated by UNINETT
- Mission:
Establish a National cloud solution for HE, with infrastructure platform and brokerage & management of a HE cloud service portfolio.

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Hybrid approach to IaaS



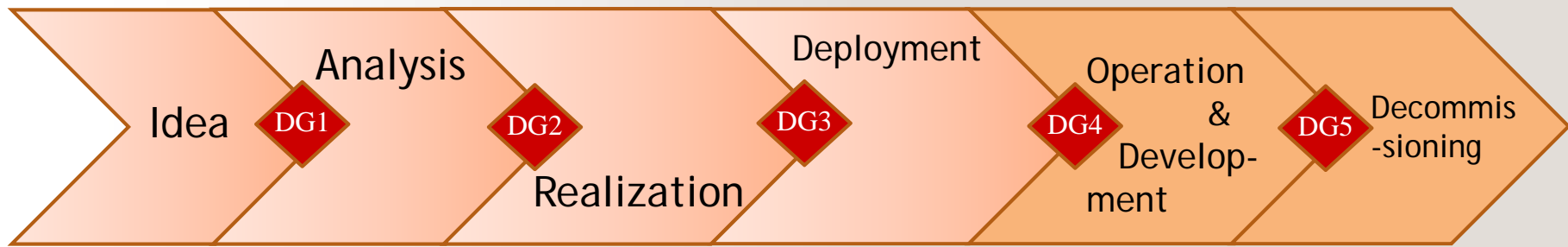
We are prepared...

- ▶ Checklist / cookbook with JRA4 T3
- ▶ Procurement team on the case
- ▶ Service department in the loop
- ▶ Run by our clouds initiative
- incl. Jan Meijer (T2 leader) and myself
- ▶ Review the agreements for Norway
- ▶ Meetings/talks with all vendors
- ▶ Establish «shortlist»/change weighting?
- ▶ Push or Pull?
- ▶ Cost recovery?

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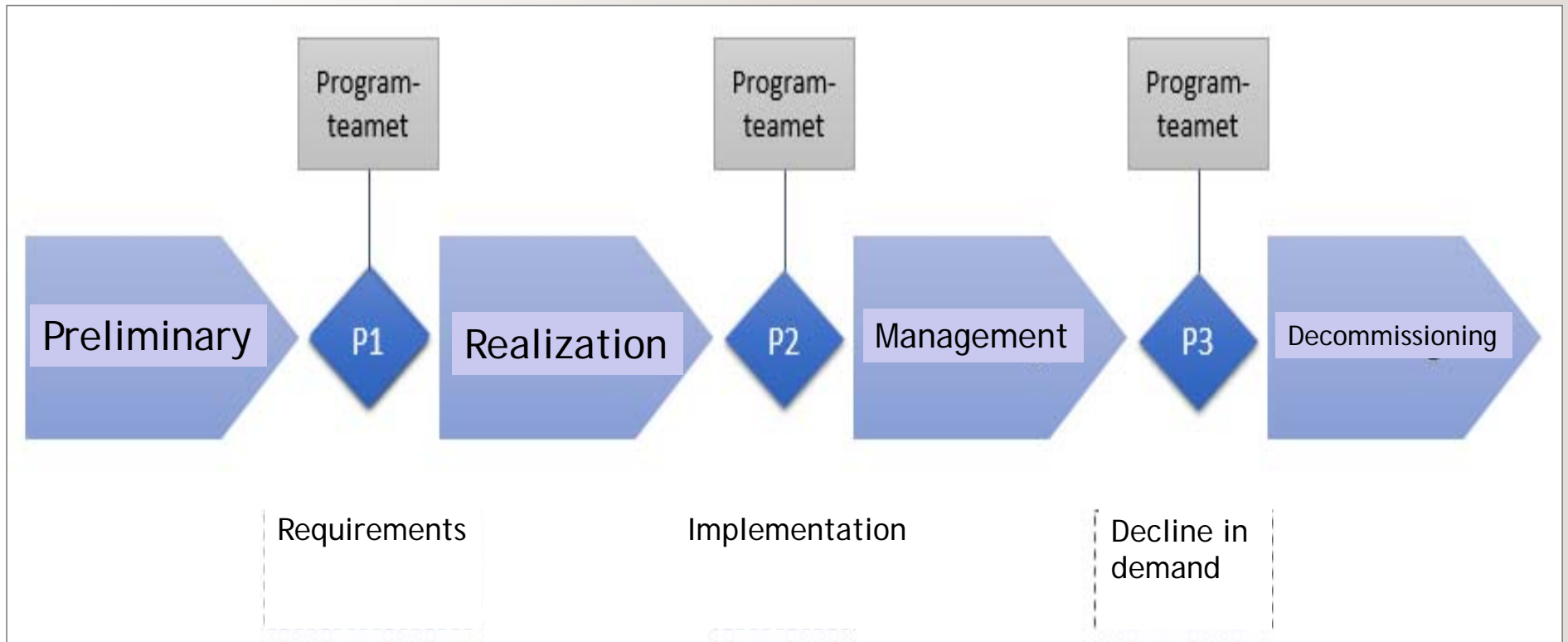


UNINETTs Service Life Cycle



- For the reseller role
- But: we also act as a referrer/broker for framework agreements
- the role we have chosen for the IaaS framework

Cloud Service Life Cycle



Cloud Service Catalogue

Portal services | Uni x

UNINETT AS [NO] | https://www.uninett.no/portal/skytjenester/services

UNINETT UH-sky Om UH-sky Dokumentbase

Forside Skytjenester >

Skytjenester for UH-sektoren

Et av hovedmålene for UH-sky er å sørge for at UH-sektoren har tilgang til en bred portefølje av skytjenester, både fra virksomheter i sektoren og kommersielle aktører. På denne siden finner du en oversikt over tilgjengelige og kommende tjenester.

Søk etter tjeneste

Filtrér på status Filtrér på kategori

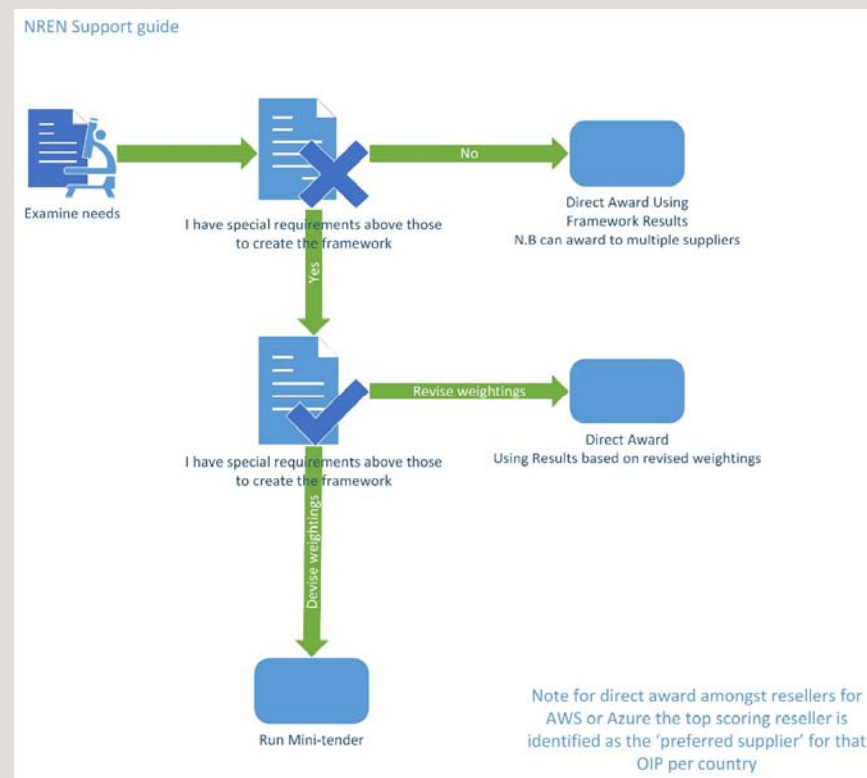
Tittel ▲	Kategori	Status	Leverandør
BaaS (Backup as a Service)	Infrastruktur og mellomvare	Pilot	IPnett
Dataporten	Infrastruktur og mellomvare	Produksjon	UNINETT
Infrastructure as a Service (IaaS)	Infrastruktur og mellomvare	Pilot	IPnett
Infrastructure as a Service (IaaS), UH-IaaS	Infrastruktur og mellomvare	Pilot	UiB og UiO
Logganalyse	Måling og analyse	Produksjon	UNINETT
Personlig lagring og deling av filer - Box	Samhandling og deling	Produksjon	UNINETT
Samordnet kommunikasjon - Skype for Business	Samhandling og deling	Produksjon	UNINETT
StaaS (Storage as a Service)	Forskning og undervisning	Pilot	IPnett
UH-AD	Infrastruktur og mellomvare	Produksjon	UiO

- Available, or planned, services
- From UNINETT
- From the HE Sector
- Commercial services
- Resold, brokered, or just referred/recommended

Call off

- Referrer - the institutions need to do the call off
- But we might want to do some of the work for them
- Direct call off - if happy with GÉANT requirements and ranking
- Revise weightings (objective awarding criteria)
- Direct call off
- Mini-competition - for tailor-made solutions;
 - Technical
 - Operational (reporting requirements, etc.)
 - Legal (e.g. specific legal terms needed in the service agreement)
 - Financial (cost recovery, additional discount)

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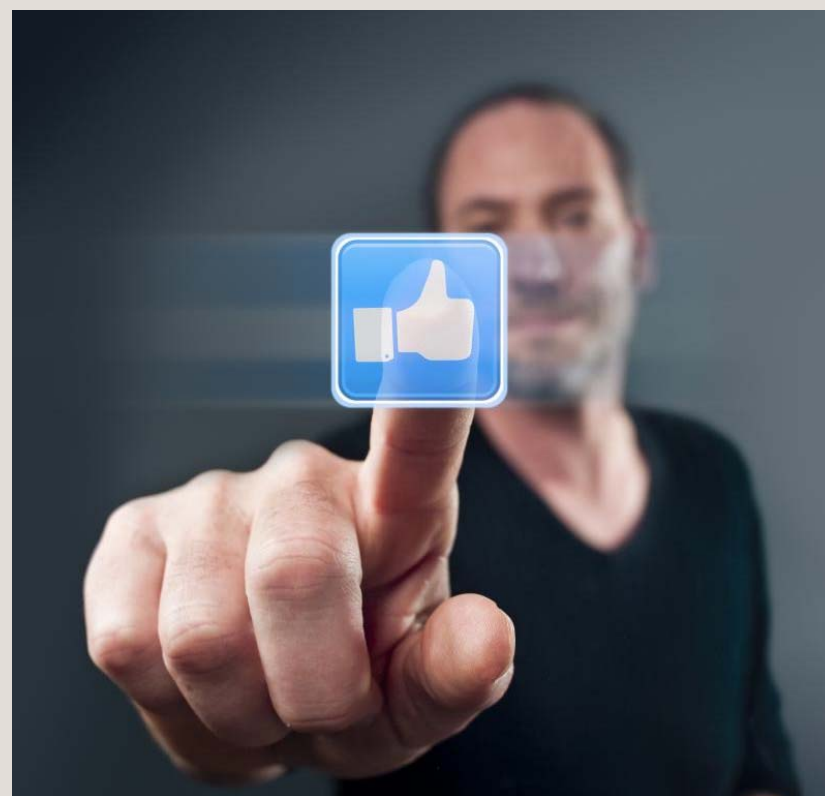
Legal & security

- ▶ Service commencement agreement
- ▶ Existing licence agreements ?
- ▶ Risk analysis
- ▶ Data protection agreement
 - Template from UNINETT
 - Make data analysis tool available?



Federated login & direct peering

- Wait for SAML2/eduGAIN, or temporary solution?
- Check what the vendors offer (commitment plan)
- Peering - GÉANT or NORDUnet?
- Formal & technical
- what needs to be in place?



Engaging with the community

- Formally; steering committee, reference group
- Cloud contacts
- SIGs:
 - portfolio
 - technology
 - legal & security
- Conferences & workshops
- Newsletter, web page, customer magazine
- Cloud tour? - meetings, workshops, etc.

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UNINETT UH-sky

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Questions?



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