

**BUILDING A NATIONAL RDM
INFRASTRUCTURE IN THE NETHERLANDS
WITH IRODS**

IRODS USER GROUP MEETING

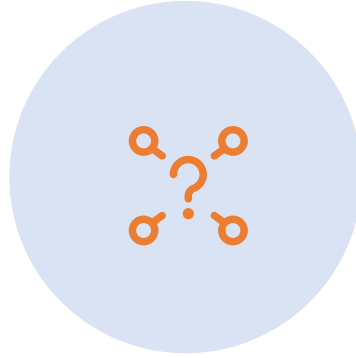
JUNE 11, 2020



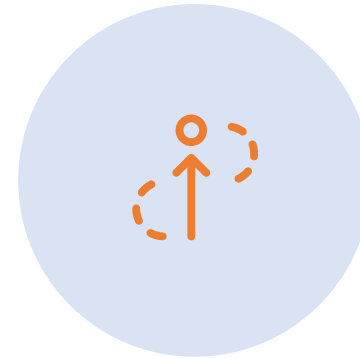
Agenda



Short introduction
of SURF



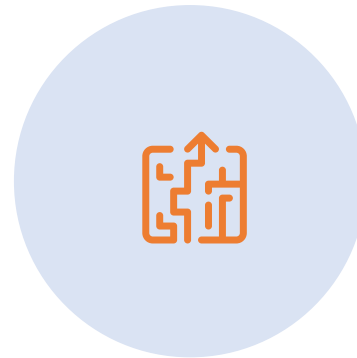
RDM infrastructure, why?



How did we start?



What do we build?



How do we do this?

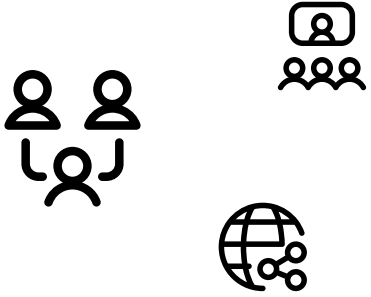
**WHO ARE
WE?**





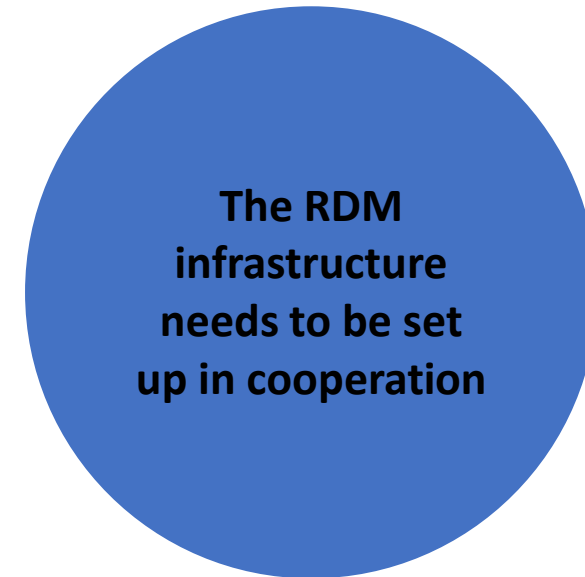
SURF,

**WHY DO WE BUILD A
NATIONAL RDM
INFRASTRUCTURE?**



Broad recognition that research support does not stop at the borders of the campus; researchers work together with other researchers all over the world.

Less costs through cooperation in development of necessary infrastructure and services



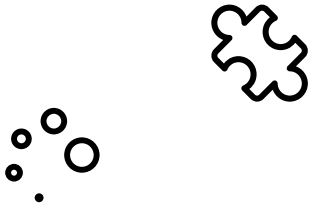
A common infrastructure offers the opportunity to use facilities at different locations

Universities want to select RDM tools:

- € What will these cost me?
- 👤 How much FTE do I need to make available for support of these tools?
- 🎧 Where do I find the people that can support my researchers for the use of these tools?
- ↔ Can I customize the installation of these tools for my researchers?

Shared services, shared infrastructure and shared development are the answer!





iRODS is very interesting because it has the potential to support researchers during the entire research data life cycle;

but the command line interface is not suitable for all researchers





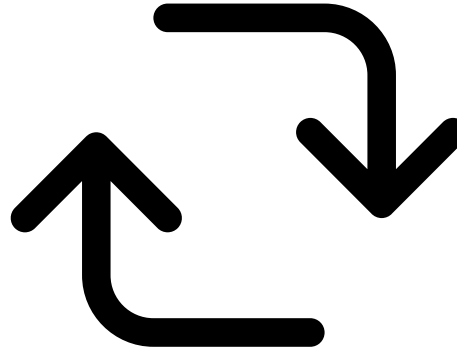
YODA is an interesting tool with a graphical user interface and standard RDM support functions for researchers,

but it is a custom build tool for one university



Catch 22

Shared services by SURF can only be made available **after** the universities have made their choice

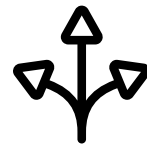


Universities want to know **in advance** the answers to the questions about iRODS and YODA and make no choice

**HOW DID WE
START?**



**talks with a group
of interested
universities**



**small pilots with the
participating universities
with hosted versions of
YODA and iRODS**



**Joined
evaluation in
Dec 2019**

OUTCOME JOINED EVALUATION

Working together is crucial;
universities benefit in terms of
cost and knowledge.
Joined development of new
features is necessary

OUTCOME JOINED EVALUATION

More evidence needed on the suitability of the tools for different research area's and on costs involved

OUTCOME JOINED EVALUATION

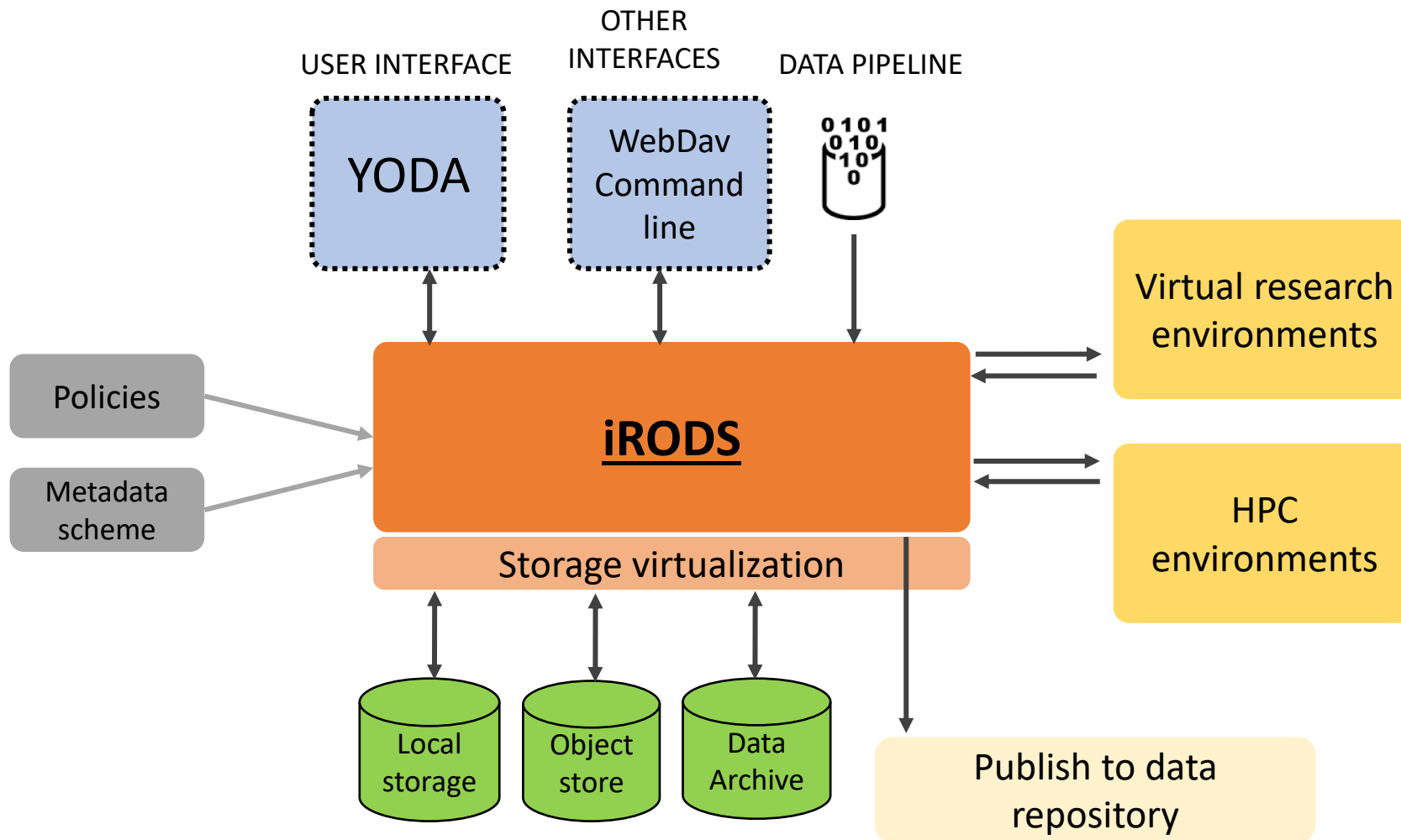
Universities are reluctant to make definitive choices on RDM tools; Researchers need to try the tools, ICT and Librarians need to be convinced

Next steps necessary to build trust within and between institutions and to come up with more evidence for management

**OUTCOME
JOINED
EVALUATION**



**WHAT DO WE
BUILD?**



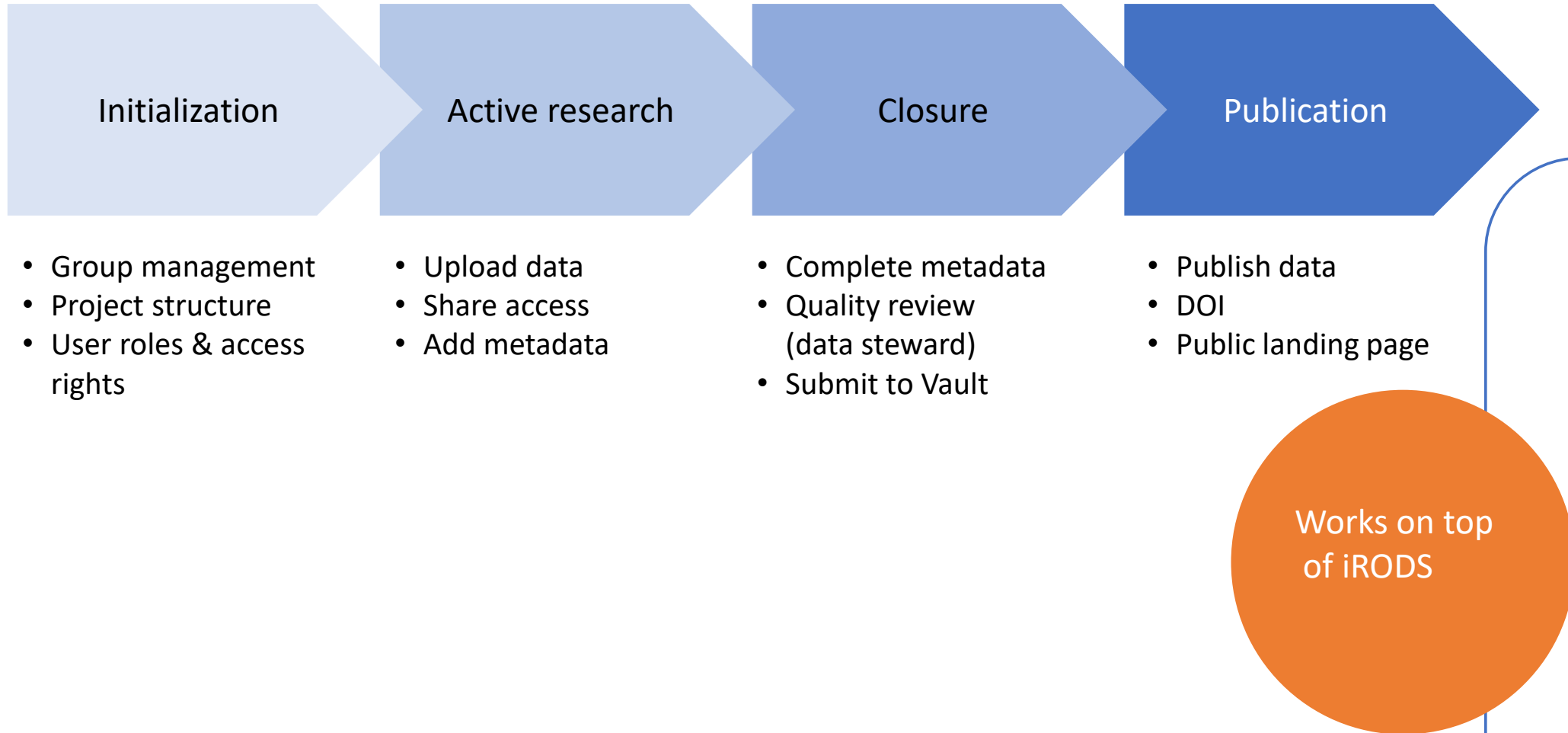
YODA – YOur DAta, built in Utrecht

- YODA is a software application for data management, aimed at all types of researchers (i.e. not only the CLI crowd)
- It includes facilities for:
 - Data storage
 - Data sharing
 - Data annotation (metadata)
 - Data review by data curator
 - Data publication



See also the talk of Chris Smeele and Lazlo Westerhof on YODA at the UCM 2020, June 9, 11 a.m.

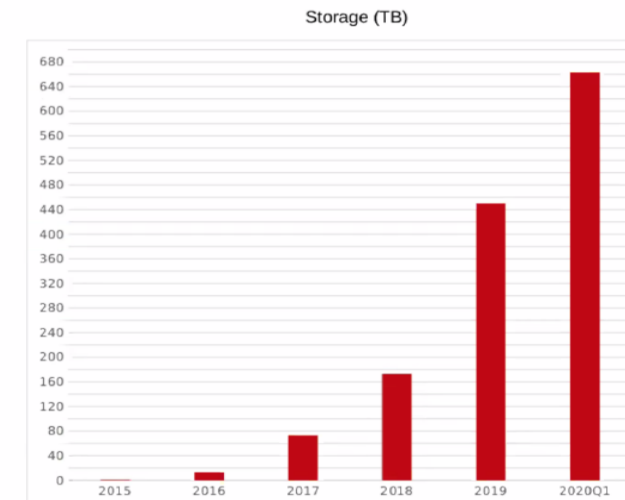
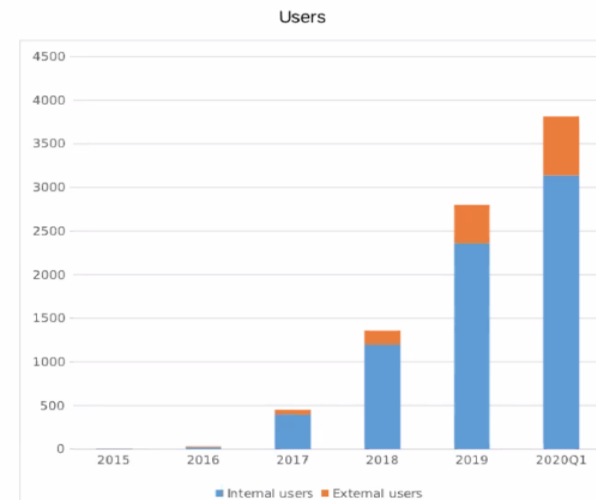
YODA supports various phases in the research process



YODA – YOur DAta, built in Utrecht

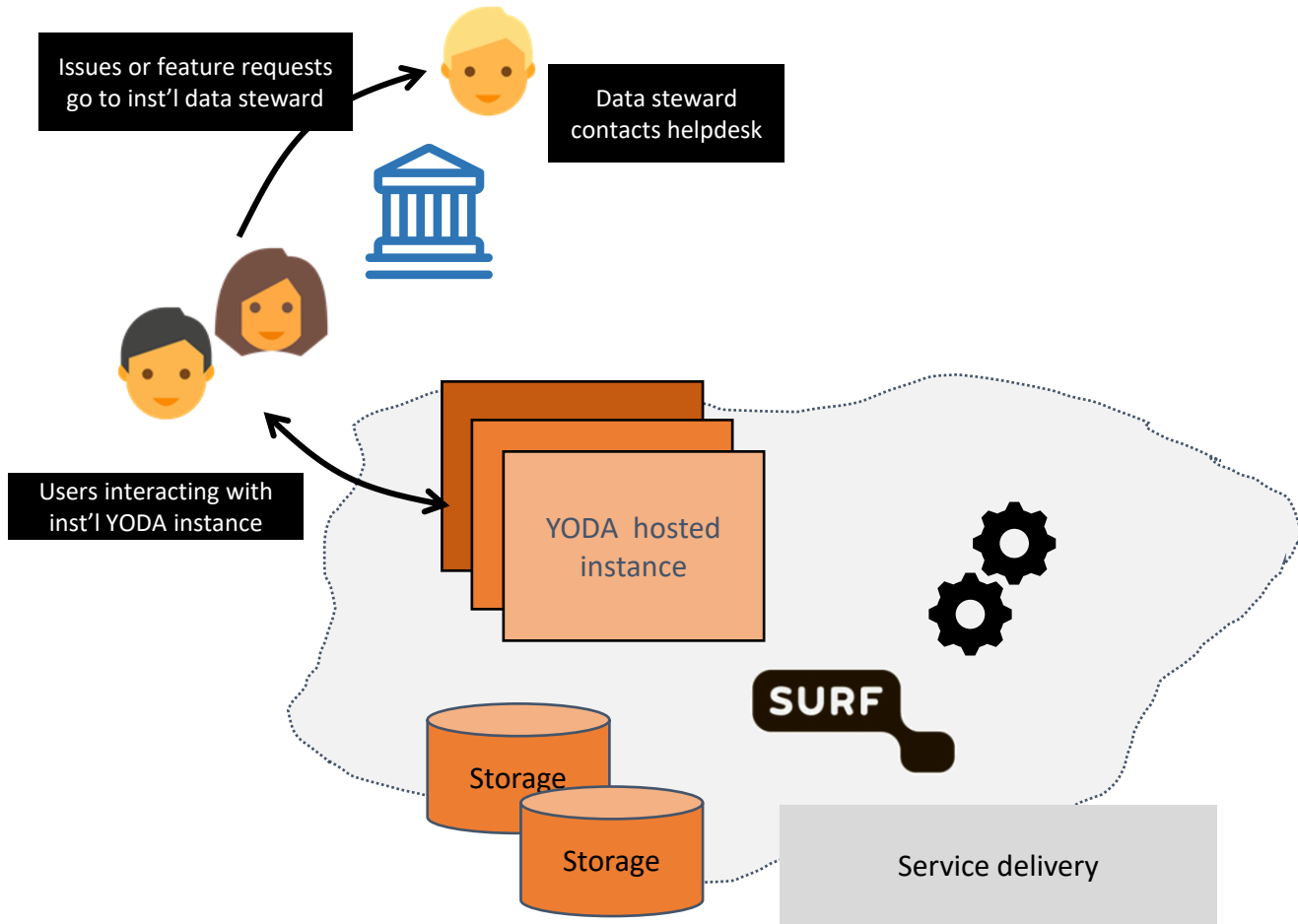
- It was developed by Ton Smeele and team at UU.
- Initially for one particular research project, now scaled out to multiple faculties
- It is built on top of iRODS, adding:
 - Graphical Interface
 - Rules and configuration
 - DavRODS
- Main value: making the power of iRODS available to a wide group of researchers and supporting the most essential data management processes

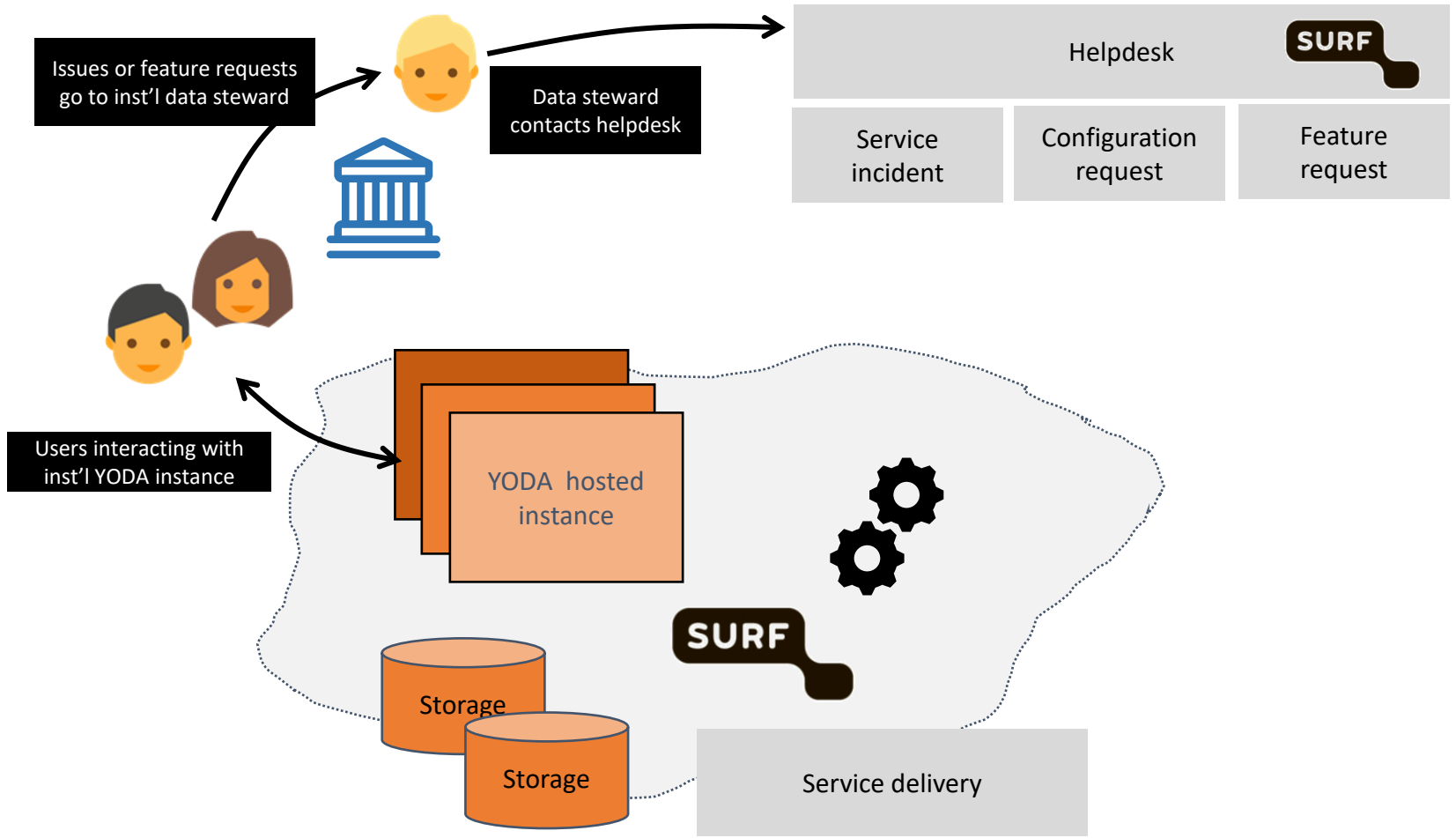
Yoda in numbers

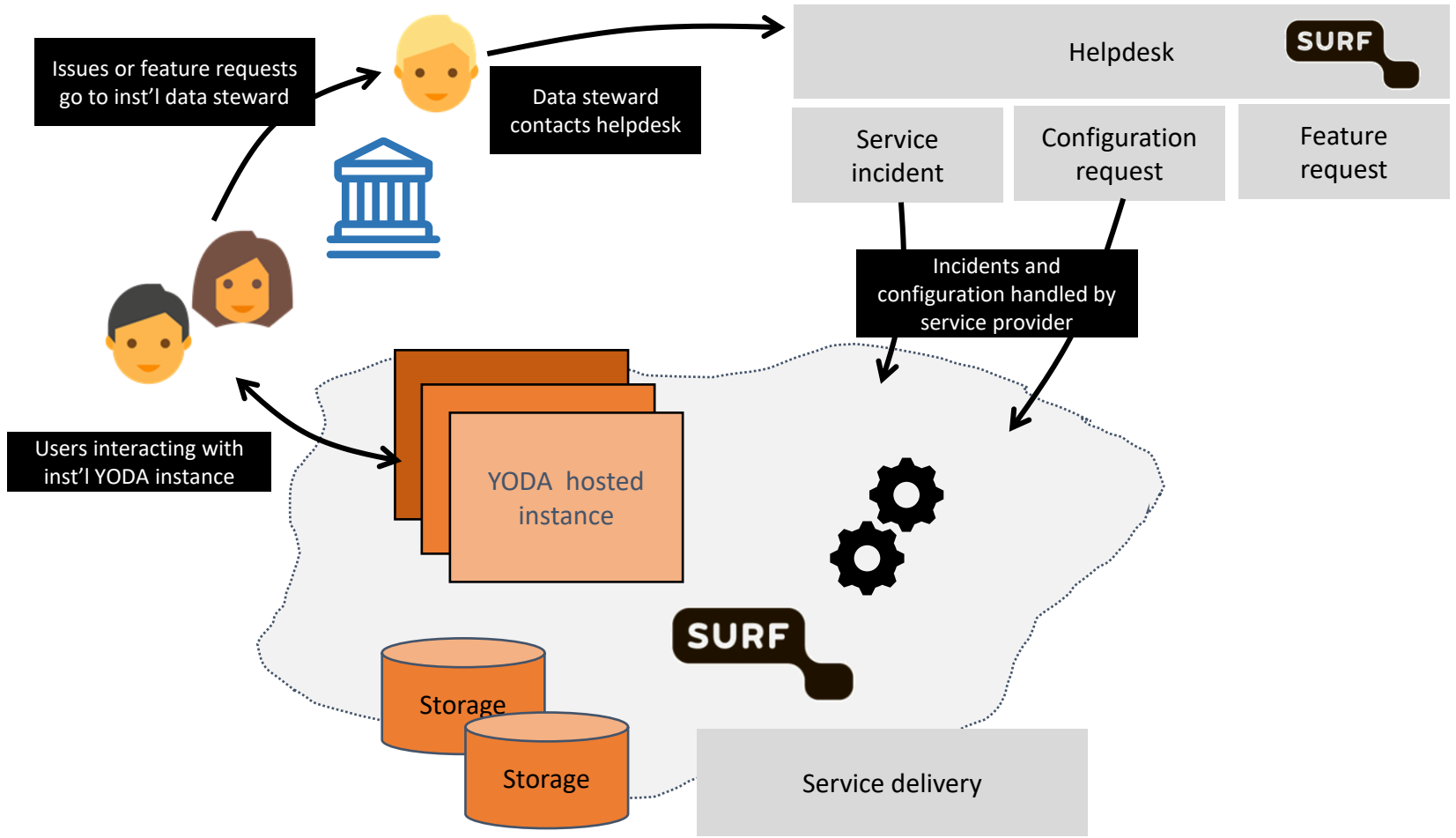


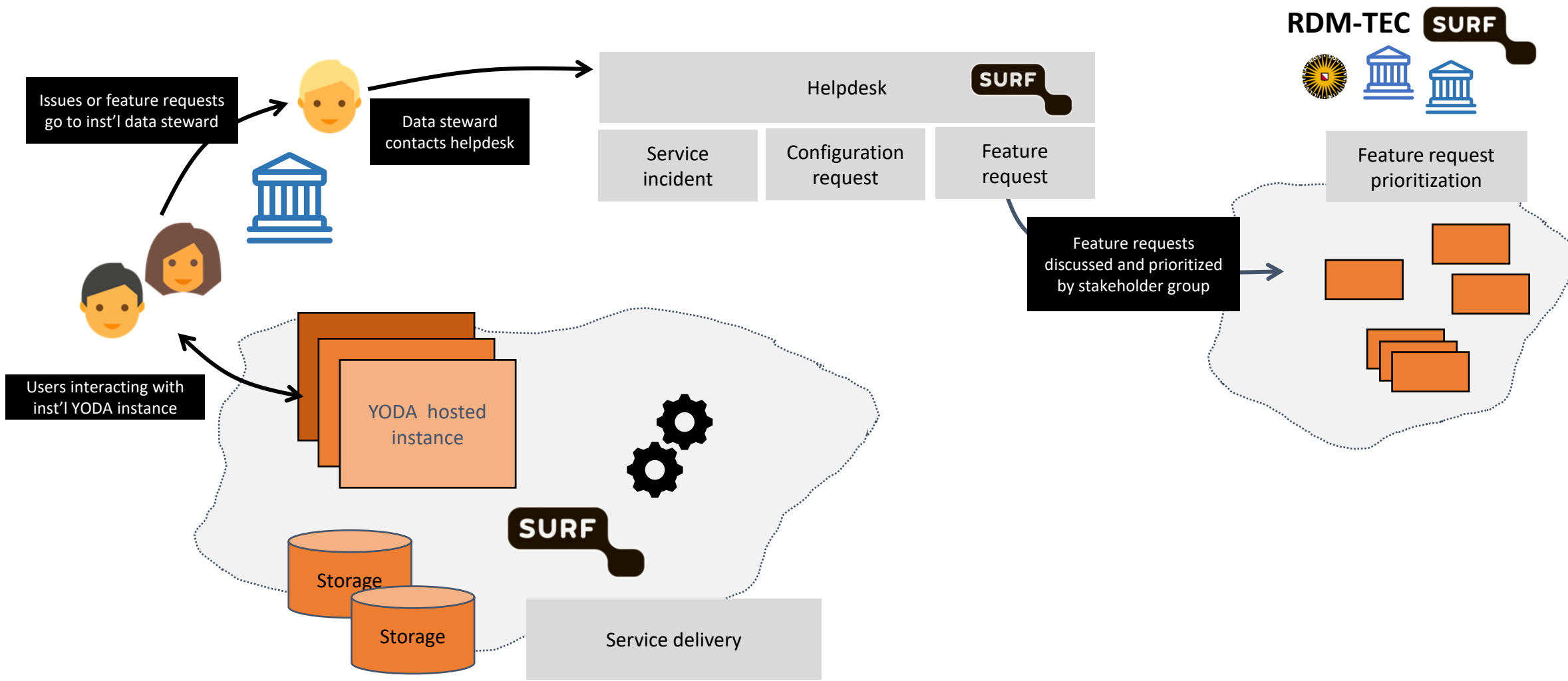
SOURCE: https://irods.org/uploads/2019/Smeele-UtrechtUni/iRODS_UGM2019_Keynote-slides.pdf

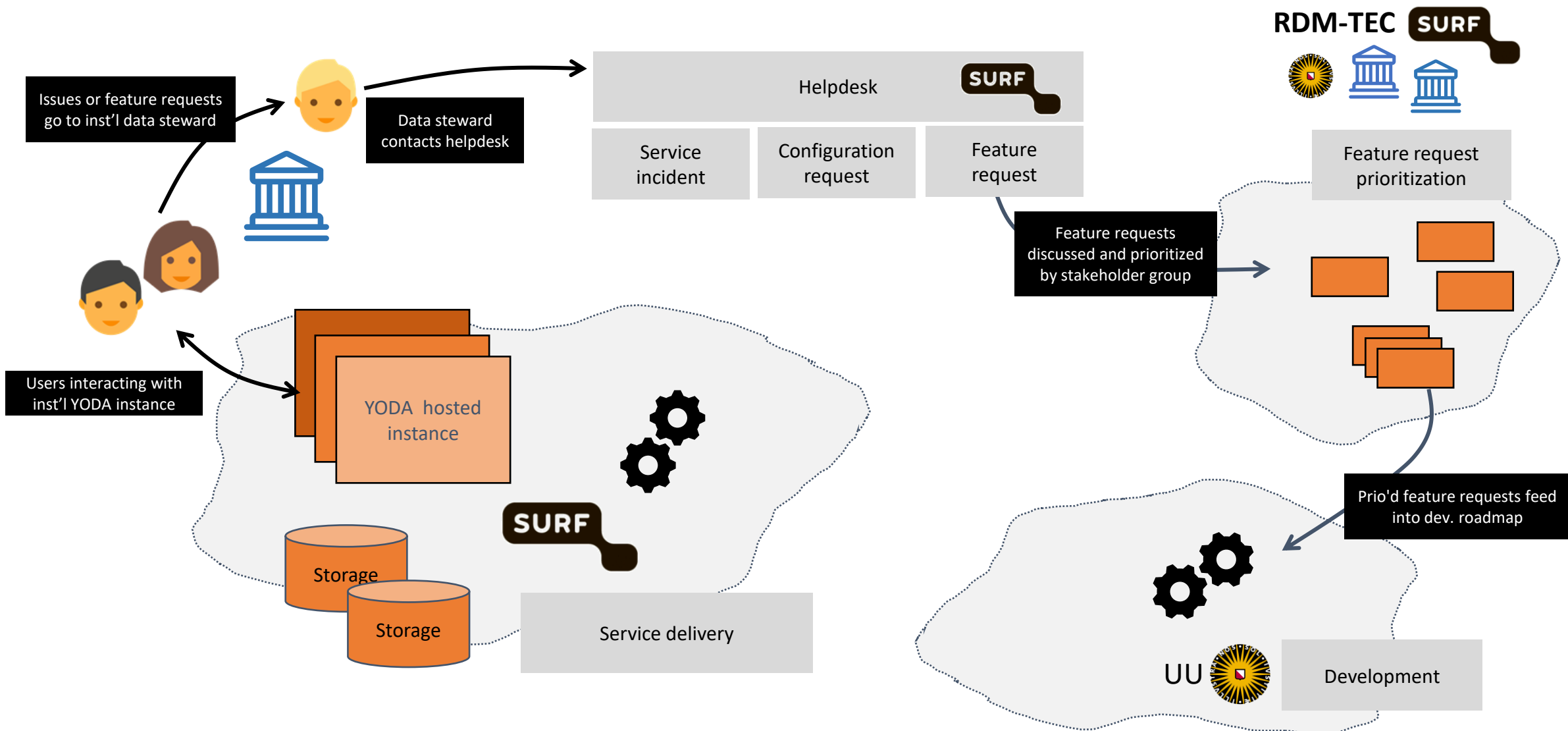
**HOW DO WE
DO THIS?**

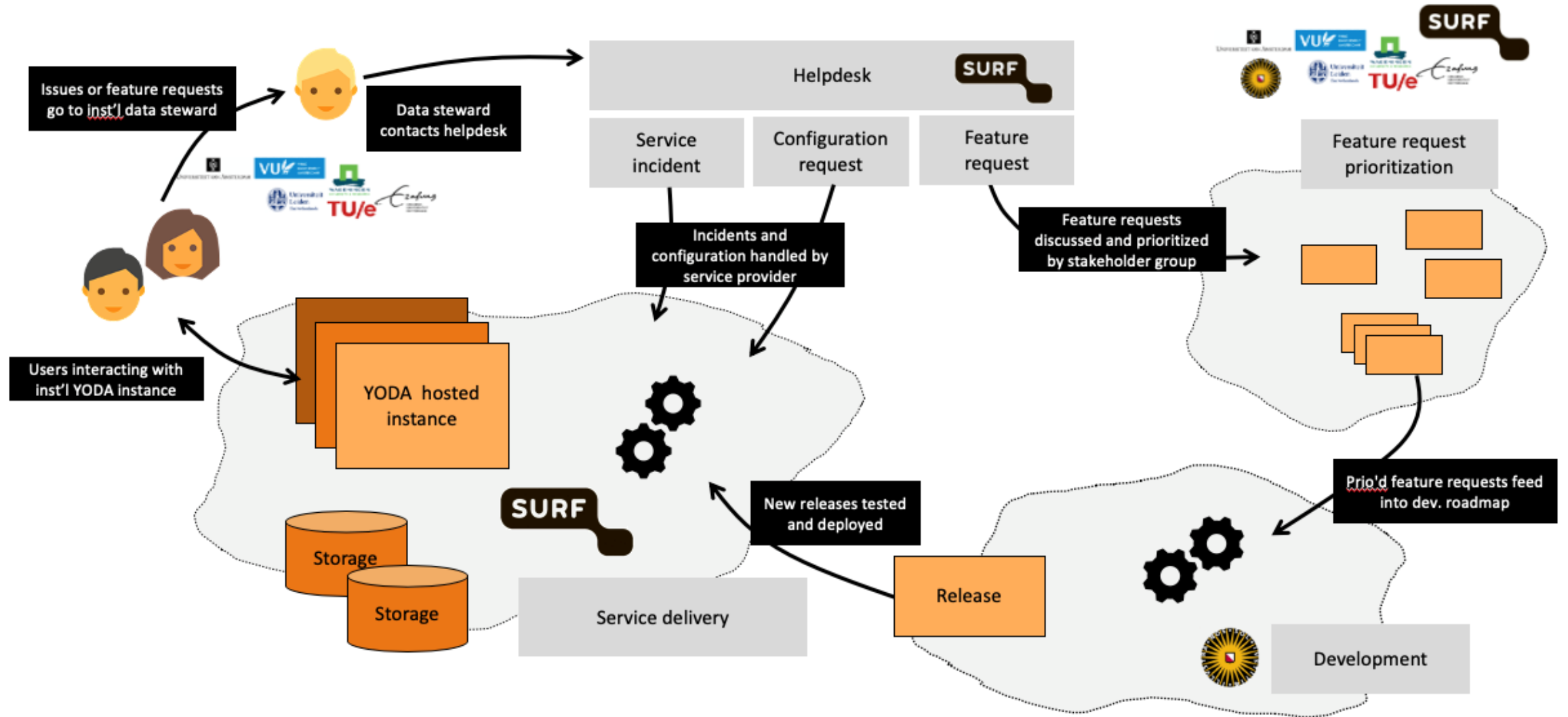














TOGETHER
WITH



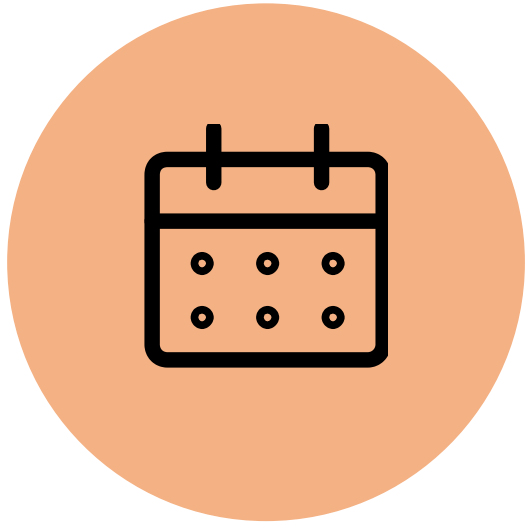
UNIVERSITEIT VAN AMSTERDAM



Utrecht University



Universiteit
Leiden
The Netherlands



2019

Pilot 14 groups with
iRODS/YODA
Limited knowledge on
needs and costs

2020 - 2021

Pilot more groups/
preproduction YODA,
production iRODS

More knowledge on
needs and service
costs

2021+

Known service levels
iRODS and YODA

National infrastructure
RDM in NL

DO YOU HAVE ANY QUESTIONS?



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Driving innovation together

SURF