



# Technical Talks: Wrap up

*9<sup>th</sup> of October 2020*



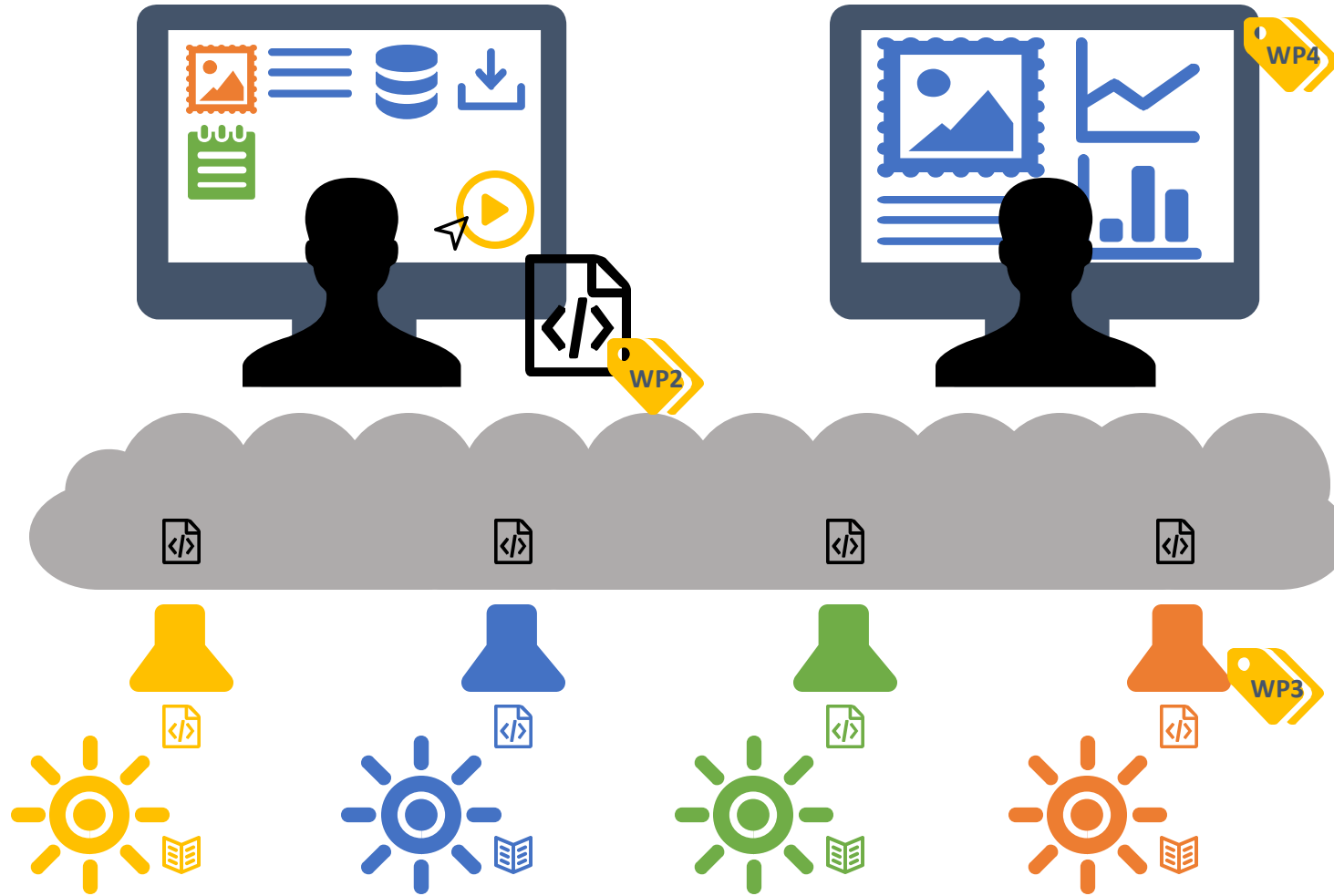
The ExPaNDS project has received funding from the *European Union's Horizon 2020 research and innovation programme* under grant agreement No 857641.  
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# Goals of the workshop

- Get to know each other.
  - ...and what we do.
- Understand both projects and our roles.
- Better understanding of the requirements for the implementation of a common portal at each facility.
- Learn from each other.
- How to organise ourselves to work together (next steps).



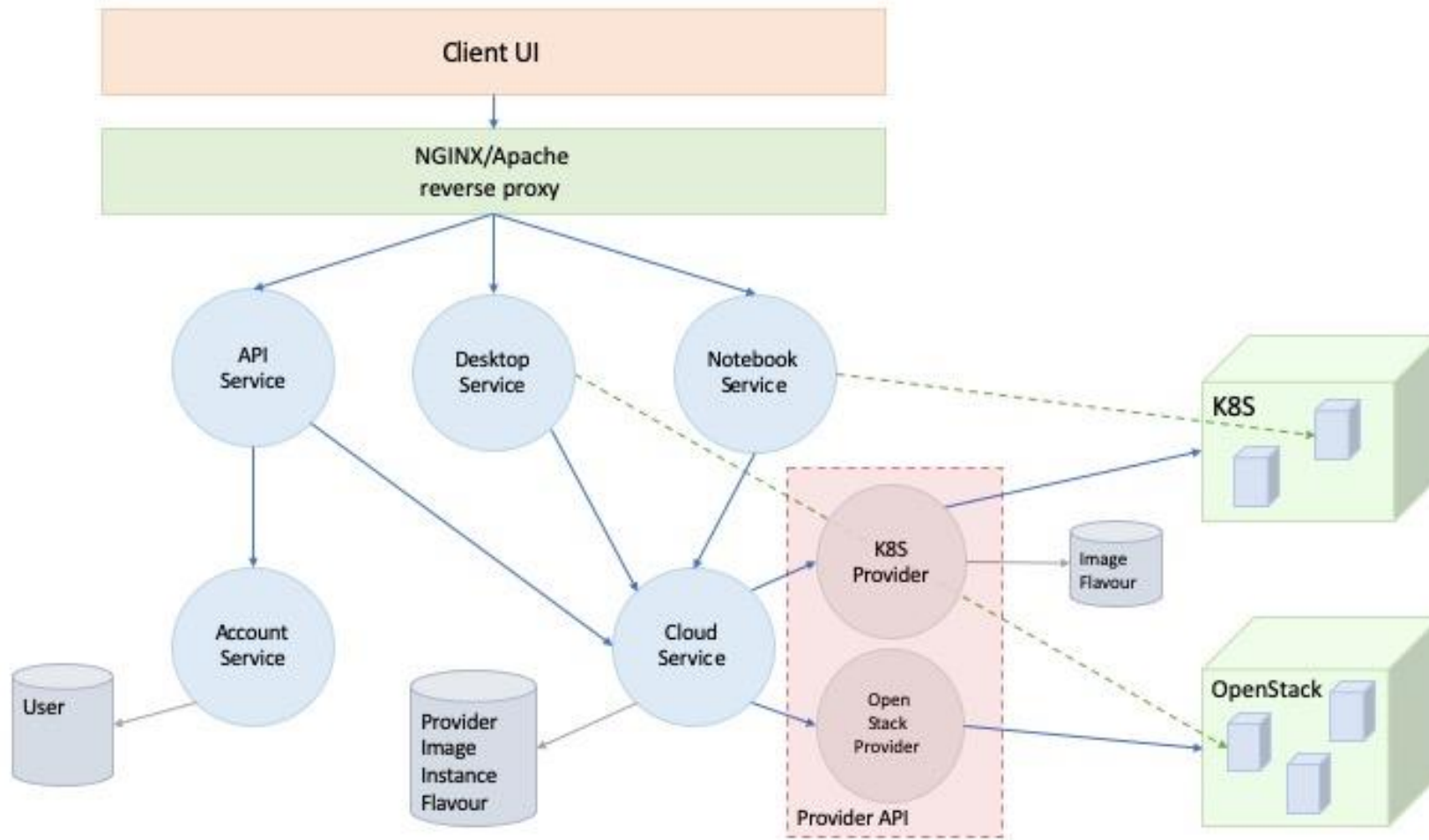
# The purpose of the project



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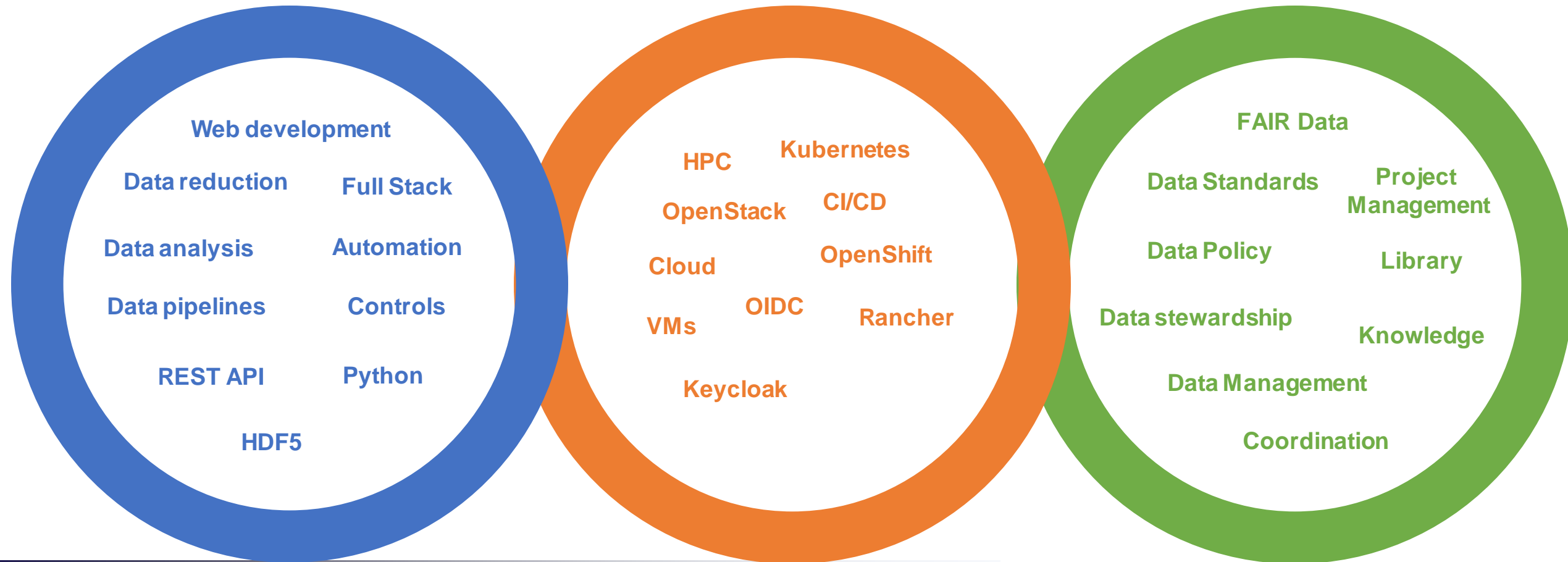
# The Portal Architecture



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# The Teams



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# The Portal Experience

- Overall impression of the portal is positive.
  - Installation process (Helm)
  - Documentation and support.
  - Frontend/Backend stack.
  - “Good showcase”
- Improvement suggestions
  - Demo example (e.g. dummy data)
  - Documentation for further installation.
  - First iteration not a production-ready environment yet.



# The needs

- Authorization issues (e.g. Keycloak/OIDC).
- Slurm modules.
- OpenStack.
- Existing datasets integration?
- Singularity.
- Remote desktop (e.g. Mantid).
- Management of instances.
- Statistics.
- Archiving strategies for the future?

- Priorities?
- What to do first?
- What is the minimal setup needed on each facility?
- Are we ready?



# COVID-19 impact

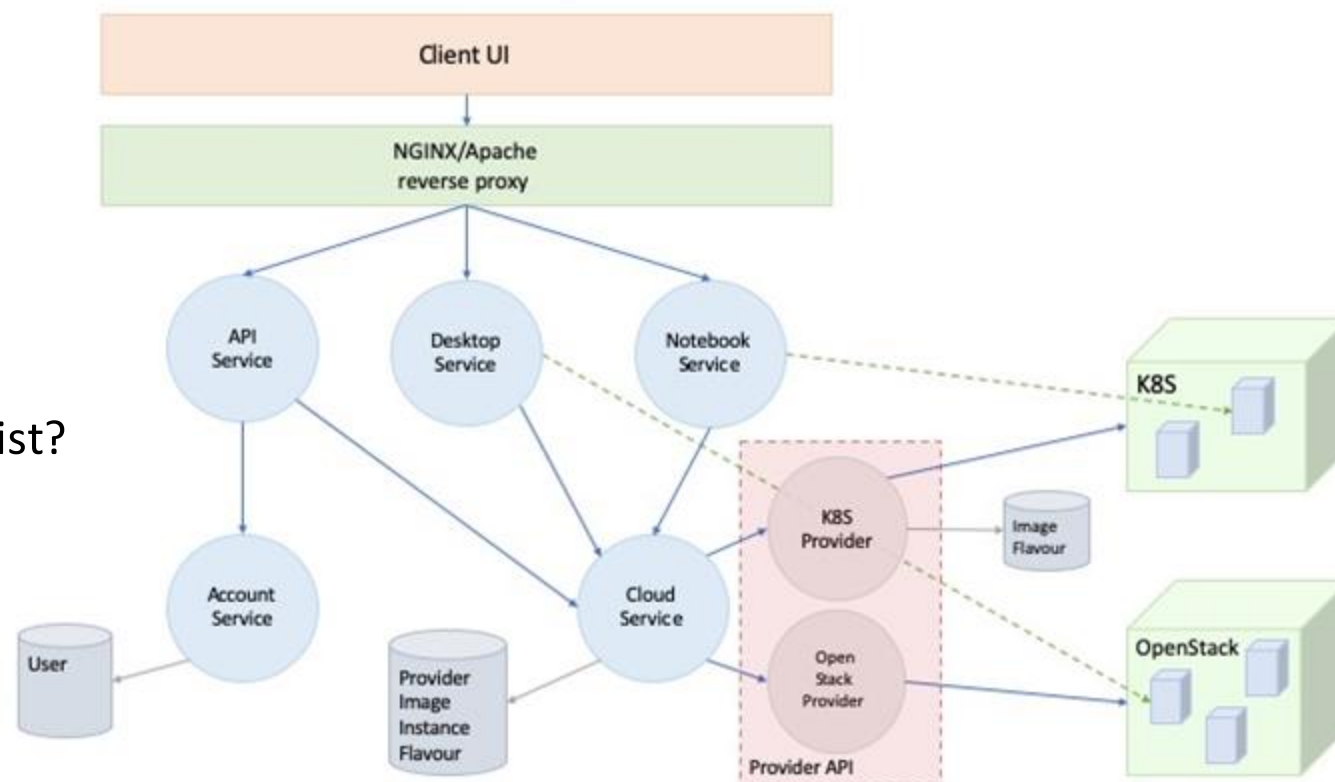
- Systems upgrades acceleration (e.g. SSH Bastion, VPN, Firewall,...)
- New Licenses.
- New services adopted (e.g. Zoom, MS Teams, Slack...).
- Sample Tracking.
- BYOD expectation management.





# Next steps

- How to organize the technical coordination?
  - Channels? Meetings? Seminars? Hands-on workshops?
  - Shared Technical Coordination list?
- Themes:
  - Jupyterhub
  - Slurm
  - Kubernetes
  - ...
- Ideas:
  - Shared repo for plugins:
    - Cloud Service (e.g. Slurm)
    - Account Service (e.g. Keycloak)
    - Data Analysis images (e.g. Docker/Singularity)



# Technical Coordination mailing list

- Andrew Richards (Diamond)
- Brian Matthews (UKRI)
- Darren Spruce (Max IV)
- Daniel Salvat (ALBA)
- Frank Schlünzen (DESY)
- George Kourousias (Elettra)
- Leonardo Sala (PSI)
- Majid Ounsy (Soleil)
- Olaf-Peter Sauer (HZB)
- Uwe Konrad (HZDR)
- Jamie Hall (ILL)
- Giuseppe La Rocca (EGI)
- (ESRF)
- (ELI)
- (ERIC-CERIC)
- (ESS)
- (EuXFEL)





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