	AP03 Technical Infrastructure
	state-analysis: interview

1. Introduction

This part has not been translated – please refer to the extended version in the German document for details!

2. Interview-Guide

1 Information on participant

Name / email	
Position	
Name of the institution	
Type of institution (public, private …) + short description	
Headcount	
Single-/multi-site	

2 Introductory questions

2.1 How long have you worked at this company/organisation?

Under 5 years		5 to 10 years		Over 10 years	

2.2 Do any of the following data-related tasks to your daily work duties?
   ( ) = no, (x) = yes, (y) = partially/not regularly

Use of data storage		External cloud resources	
Use of computing power		Self-training in data-related skills	
Data analytics		Teaching on working with data	
Artificial intelligence/Machine learning		Data management	
Big Data Analytics		Collaborative work with data	
Data archiving		Others:	

2.3 To which extent is your job linked to working with data?

Under 25% of working time		Up to 50% of working time		Over 50% of working time	

3 Data infrastructures today

3.1 Which infrastructures are currently operative in your company/organisation?

Data centre		Cloud solutions	
Storage resources		Others:	

3.2 How has the work with data changed for your company in the last years?
Scale 1-5: (1) = does not apply, (5) = strongly applies

Data use/demand has grown significantly	
Use of data sources has expanded	
Data-intensive analysis has grown	
High computing power needed	
More storage capacity needed	
Other:	

3.3 How are these changes noticed? Either by acquisition of new infrastructures in-house (x) or use of external providers (y)

Repositories or cloud solutions		High Performance Computing (HPC)	
Analytics tools		Docker System	
Version systems (zB. Git)		Other:	

3.4 Does your institution have enough resources for data infrastructures?

Yes, my institution has enough resources	
No, at the moment there are not enough resources available	

3.5 Where is there a noticeable gap or uncovered need?

Answer (free text):

3.6 Are you satisfied with the current situation?
Scale 1-5: (1) = not satisfied, (5) = very satisfied. Answer:

3.7 Do you see any demand for changes? If yes, how would you grade it?
Scale 1-5: (1) = mild, (5) = very pressing Answer:

4 Working with data

4.1 How do you usually work with data?

Answer:

4.2 Which of the following standards oder processes do you normally use?
( ) = no, (x) = yes, (y) = sometimes/partially

Data management plans		Certified repositories (listed on re3data)	
(Meta-)data standards		Open Source	
International Repos (e.g. Zenodo, …)		Proprietary Software	
Others:			

4.3 Which standards (archiving, processing) and which standardi data are typical in your branch?

Answer:

4.4 Are there specific practicies in your disciple? If yes, which ones?

Answer:

4.5 Which tools do you use in your work with data?

Digital documentation		Distributed/Federated Storage	
Resource Scheduling Tools		Backup strategy	
Big Data techniques		Work-flow management	
AI, Machine Learning		Others:	

4.6 With which size of data do you work per month?

Under 1 GB		1 GB to 1 TB		1 TB to 100 TB		100 TB to 1 PB		Over 1 PB	

4.7 Are you familiar with the FAIR principles? Answer:

If yes, do they play an important role in your organisation?	
Are date reused?	
Do you share data with others (e.g. service providers)?	

5   Human resources in data

5.1 How many staff members work with data in your organisation/company? Do you have enough staff to work with dat?

Answer:

5.2 Which position have these staff members in your company/organisation?

Answer:

5.3 Do these staff members have the specific training in data?

Answer:

5.4 Are there special courses/training/education, in-house or external to the organisation/company, that your staff members must/should complete? E.g. discipline-specific, IT expert

Answer:

5.5 Which competences do you expect future staff will need to have in data-related topics, to satisfy the demands of the job market?

Answer:

6   Collaborative work with

6.1 Do you work collaboratively with data?

Data from the company are shared with others for collaboration purposes	
Data from other organisations are used for collaboration purposes	

6.2 Do all steps, from data generation to analysis and evaluation and archival, take place in-house?

Yes	
No	
These steps are carried out by others:	
D you have collaborations with partners in your sector / other sectors?:	

6.3 Do you use resources from service providers?

HPC Cluster Maribor		*Know-Center GmbH*	
External Clouds (e.g. Amazon Web Services)		*Others*	

6.4 In what context (e.g. scope, frequency, type) does data exchange happen, and how would you like that it took place?

Answer:

7   International networks

7.1 In which networks does your organisation participate?

RDA		EOSC		EuroHPC		Others:	

8 Assessment of Styria

8.1 What is the current situation of data infrastructures in Styria?
   Scale 1 – 5, (1) = not good, (5) = very good, (0) = do not know/not applicable.

Storage and computing power	
Speed of internet connection	
Participation in networks	
Collaboration opportunities	
Support from Styrian Government	
Others:	

8.2 How, in your opinion, could the collaboration from different stakeholder be improved? Scale 1 – 5, (1) = not relevant, (5) = very relevant

With a new platform for collaboration	
With improved information networks	
With improved collaboration opportunities	
With more support from regional Government	
Others:	

9 Data infrastructures in the future

9.1 How do you assess the future development and strategy in your organisation/company with regard to data?

Please mark the following sentence from 1 (not appropriate) to 5 (very appropriate)	
Demand for data infrastructures for my organisation/company will grow and become more important for my business/activity	
…	…

9.2 Do you plan big changes?

Increase competences in-house		*Increase/develop cloud systems*	
Acquisition of resources		*Advice from external experts*	
Others:			

Please ask the interviewee to suggest other possible interviewees in your close contact network.