

# What are the ideas and goals of the Summer Schools?

In order to experiment with different approaches and to gain experiences how to link teaching, learning and training data literacy with context we planned to organize three teaching events in the format of a summer school. Each summer school should,

- be dedicated to teaching data literacy in the context of universities of applied sciences,
- be dedicated to a different topic and domain,
- serve to test different learning environments and tools,
- serve to gain experiences with teaching cross domain data skills as well as domain specific data skills,
- integrate stakeholders outside the university

## How was the IO implemented?

### Key ideas of implementation

- **Holistic approach** considering all steps of the data lifecycle, focusing on selected competencies
- Organized around a **collaborative data project**, working with **real data**
- Considering different **teacher roles**: (external) expert, presenter, skill training, coach, teachers as co-learners
- **Virtual concepts** - due to Corona restrictions
- **Division of responsibilities** between the partners in preparation of the events (common concept, responsible organizer at the organizing university, integration of teachers, coaches and co-learners from all partner institutions)
- Testing different **virtual learning environments** (Zoom and Moodle, MS-Teams and Dataiku)



**Summer Schools (LTT)**  
**Hamburg**  
**Utrecht**  
**Debrecen**

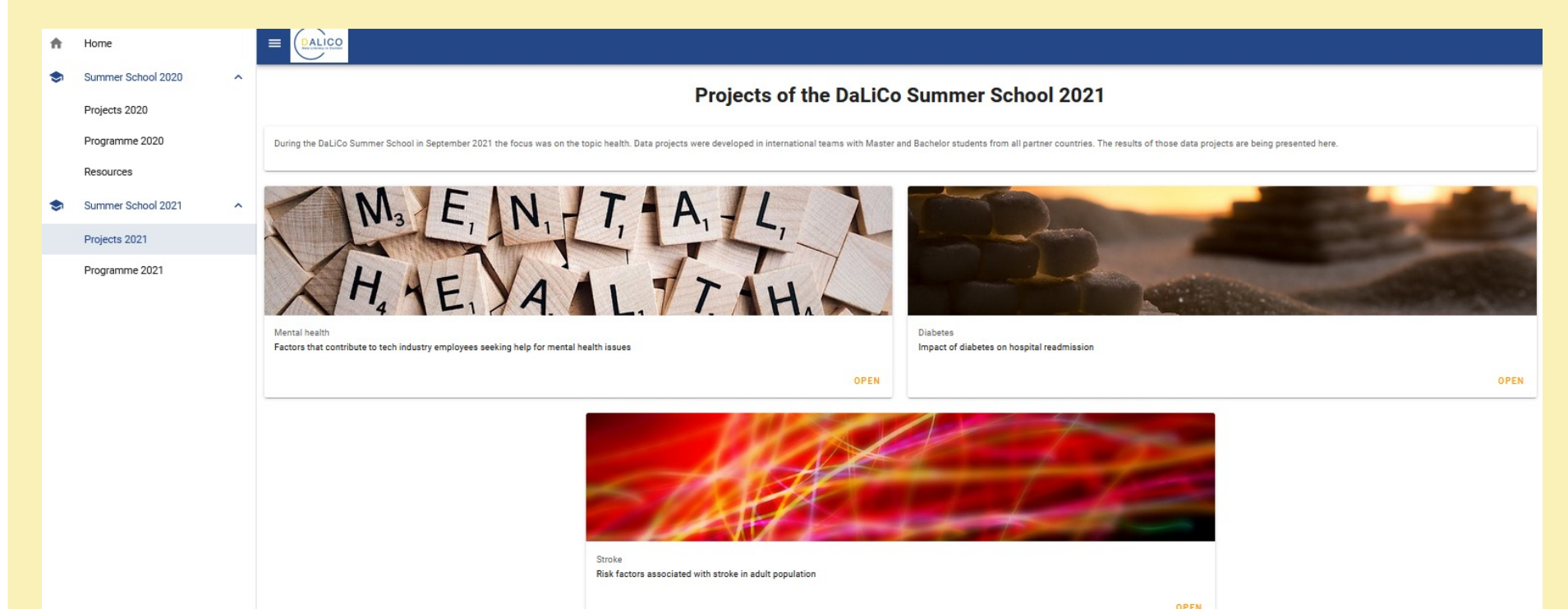
## Results and insights of the IO?

### DaLiCo Summer Schools

- (1) 09/2020: **“Doing cool things” with Open (Governmental) Data**



- (2) 07/2021: **Advancing digital and data skills in the health sector**



- (3) 07/2022: **Exploring research data management**

### Results / Deliverables:

reusable planning process, timeline, programme template, concept of data project platform; evaluation form

## What are ideas for future developments?

### Open questions


- What are possible ways to integrate the summer school format into the regular university curriculum? And how could ECTS points be credited?
- What kind of feedback concept would be appropriate for the participants'?
- How can the evaluation concept be enhanced?
- How could the package for the adoption and adaptation of the Summer School concept be put together?



# Appendix


## DaLiCo Summer School 2020

**Virtual Summer School 2020**  
28.09. - 02.10.2020 – Open Government Data




	Monday, 28.09.	Tuesday, 29.09.	Wednesday, 30.09.	Thursday, 01.10.	Friday, 02.10.
9:00 - 10:30	Welcoming Keynote Prof. Olof Sundin (Lund University)	Open Data – Data Analysis + Critical Thinking	Open Data – Data Visualization	Open Data – Data Ethics	Open Data – Research Data Management
11:00 - 12:30	Introduction into Open Data				
12:30 - 14:00	LUNCH	LUNCH	LUNCH	LUNCH	Conclusions / Farewells
14:00 - 16:00	Open Data – Infrastructures	Data Project	Data Project	Data Project	
16:30 - 18:00	Data Project				

Keynote  
 Input + Workshop  
 Team work on Data Project

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## DaLiCo Summer School 2021

**Programme**



	Monday	Tuesday	Wednesday	Thursday	Friday
09.00 - 12.00	Welcoming (entry assessment)	Introduction to Dataiku Data Understanding	Data Modelling	Data Visualisation	Presentations Reflection and farewell
	Analytics Context				
12.00 - 13.30	Lunch	Lunch	Lunch	Lunch	Lunch
13.30 - 17.00	Analytics Context Data project	Data project	Data project	Data project	

Workshop  
 Teamwork on project  
 Dataiku helpdesk (30 min.)

### Publications:

- Ameis, Kristin, Gläser, Christine and Spree, Ulrike, 2021: „Put your data goggles on“ – Impulse aus dem DaLiCo-Projekt. In: Bibliothek Forschung und Praxis vol. 45, no. 3, 2021, pp. 527-532. <https://doi.org/10.1515/bfp-2021-0045>
- Bandtel, Matthias; Gläser, Christine, 2021: Potenziale Digitaler Lehre. In: Ebeling, Johanna; Koch, Henning; Roth-Grigori, Alexander (2021): Kompetenzerwerb im kritischen Umgang mit Daten - Data Literacy Education an deutschen Hochschulen, edition Stifterverband
- Gläser, C., Spree, U. (2022). Finding Access Points for Data Literacy: The Example of the ERASMUS+ Project DaLiCo (Data Literacy in Context). In: Kurbanoğlu, S., Špiranec, S., Ünal, Y., Boustany, J., Kos, D. (eds) *Information Literacy in a Post-Truth Era. ECIL 2021. Communications in Computer and Information Science*, vol 1533. Springer, Cham, p. 109-121