Dr. Leyla Azizi

Dresden University of Technology, Faculty of Business and Economics, Chair of Business Administration, esp. Sustainability Management and Environmental Accounting

Operationalizing the Whole-Institution Paradigm: Participatory Approach to Sustainability Assessment Framework Development in German Higher Education

Master Untertitelformat bearbeiten

Agenda

- Project background
- Methodology
- Selected results
- Discussion and Q&A

Project Background: UNISIMS

UNISIMS:

University Sustainability Indicator Monitoring System (supported by German Environmental Foundation)

Aims:

1. Standardized web-based system for sustainability assessment

2. Participatory development of practice-oriented indicators

Action fields:

Teaching, Research, Outreach, Governance and Operations

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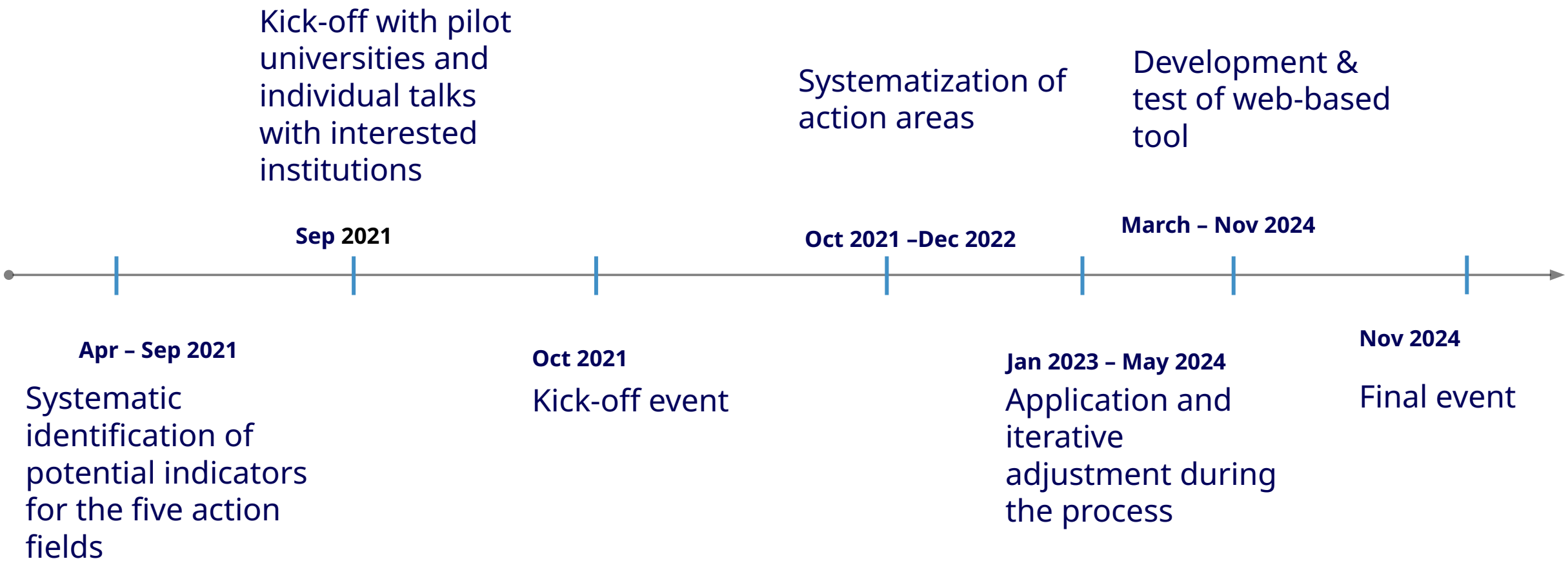
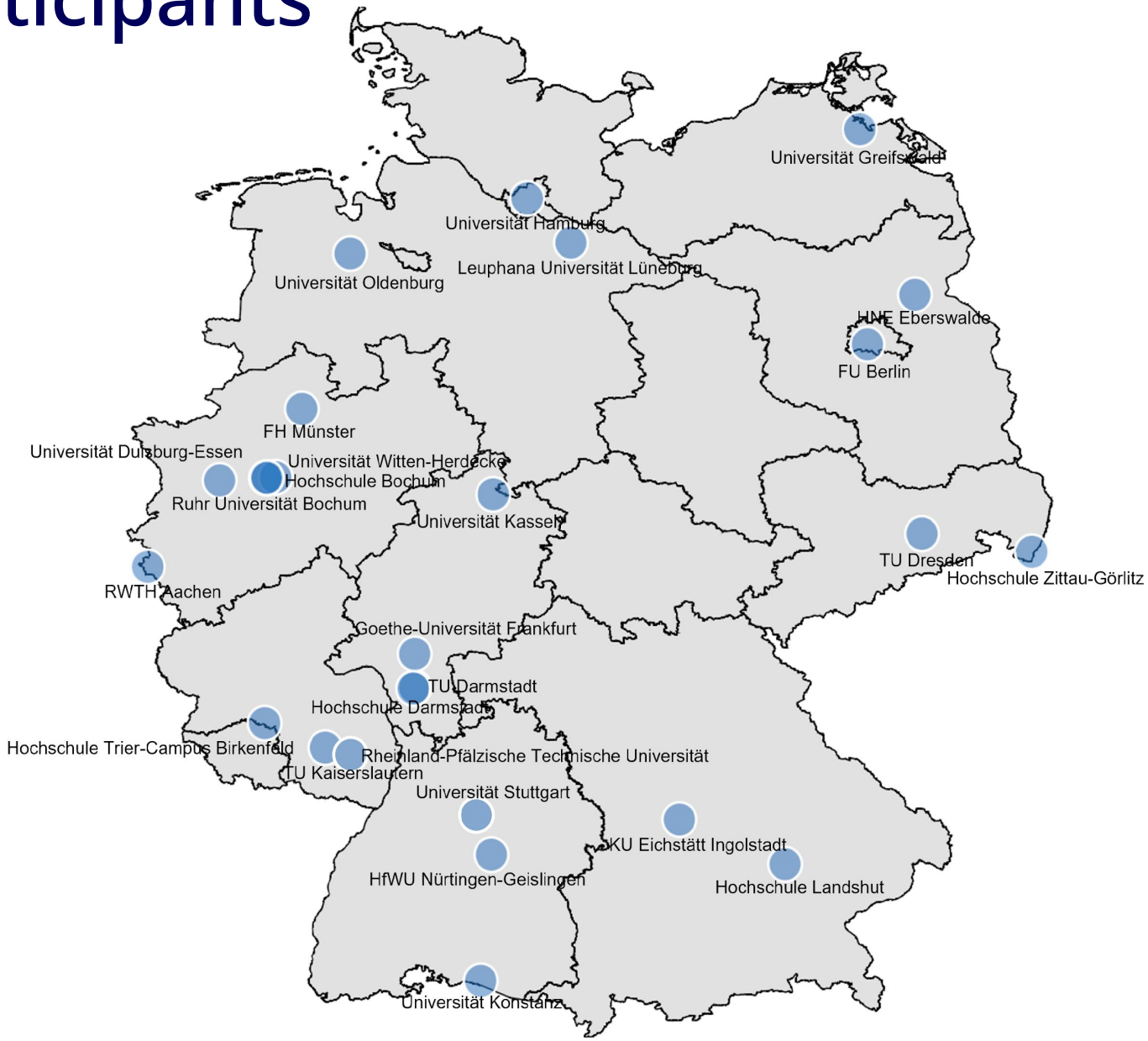
Project Background: Timeline



Project Background: Participants

- **Pilot universities: 25**
- **Interested universities: 26**



Methodology: Literature Review

Methodology: Participatory Approach Phase 1

Methodology: Participatory Approach Phase 1

Opening event on 14 Oct 2021

Workshops Teaching
- Workshop 1 on 15 Oct 2021
- Survey
- Workshop 2 on 19 Nov 2021

Workshops Research
- Workshop 1 on 14 Jan 2022
- Survey
- Workshop 2 on 18 Feb 2022

Workshops Outreach
- Workshop 1 on 25 Mar 2022
- Survey
- Workshop 2 on 13 May 2022

Workshops Governance
- Workshop 1 on 24 Jun 2022
- Survey
- Workshop 2 on 26 Aug 2022

Workshops Operations
- Workshop 1 on 30 Sep 2022
- Survey
- Workshop 2 on 11 Nov 2022

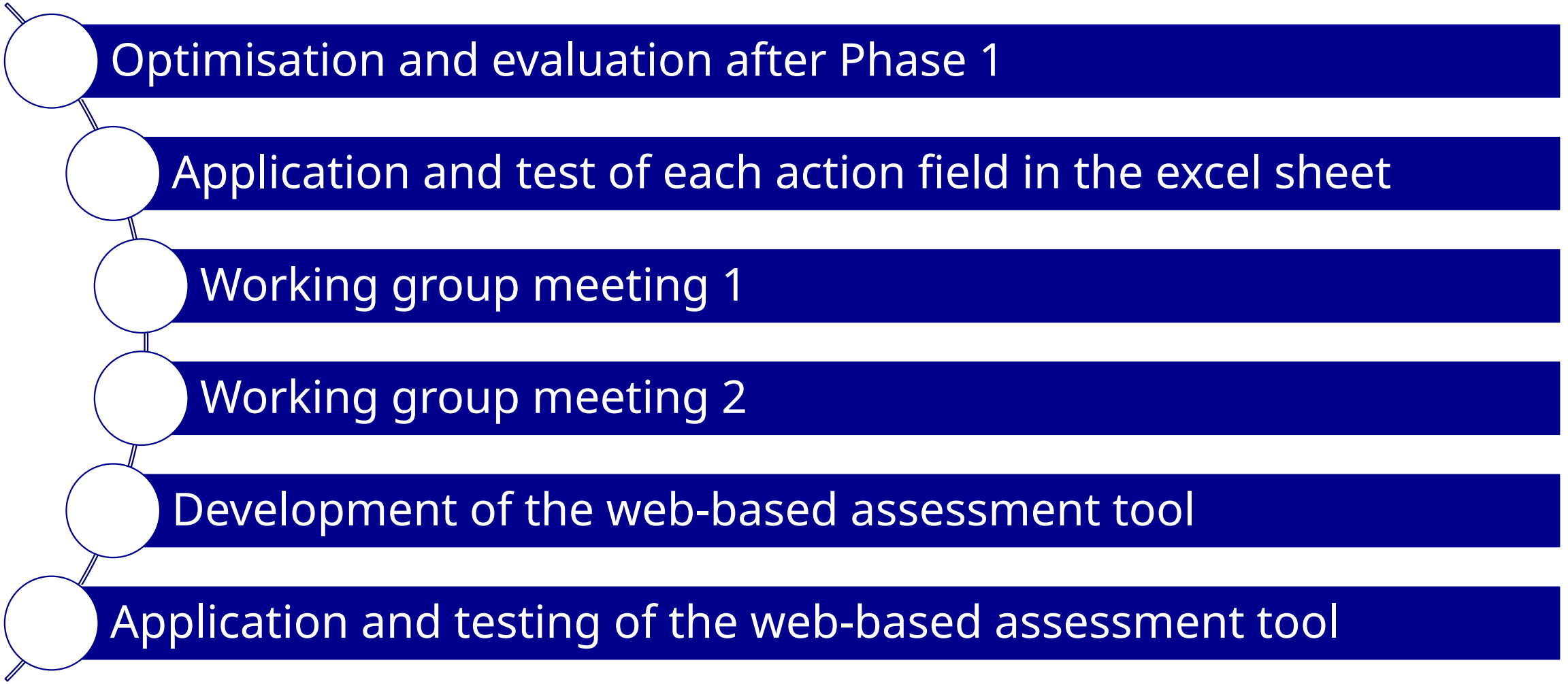
Advisory board meetings
- 1st meeting on 12 Jan 2022
- 2nd meeting on 4 May 2022
- 3rd meeting on 21 Nov 2022
- 4th meeting on 11 May 2023

Meetings with pilot universities:
- Kick-off on 1 July 2021
- Piloting workshop 1 on 8 Apr 2022
- Evaluation of piloting on 14 Sep 2022

Methodology: Participatory Approach Phase 1

Action field	Total	Systematised	Topics for Workshop 1
Teaching	420	25 (6%)	6
Research	238	38 (16%)	3
Outreach	242	46 (19%)	2
Governance	46	19 (41%)	3
Operations	232	20 (9%)	2
Sum	1,178	148 (13%)	16

Methodology: Participatory Approach Phase 2



Methodology: Participatory Approach Phase 2

Working group Teaching
- Pilot test April to August 2022
- Meeting 1 on 27 Jan 2023
- Meeting 2 on 27 Feb 2023

Working group Research
- Pilot test April to August 2022
- Meeting 1 on 1 Mar 2023
- Meeting 2 on 24 Apr 2023

Working group Outreach
- Pilot test January to April 2023
- Meeting 1 on 12 Jun 2023
- Meeting 2 on 14 Jul 2023

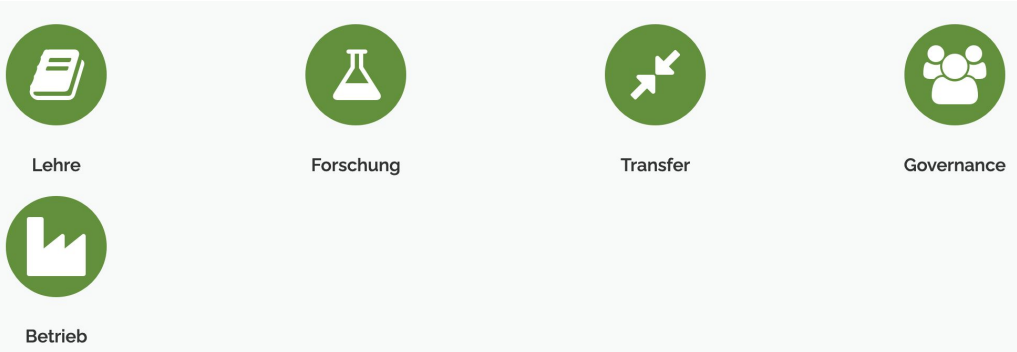
Working group Governance
- Pilot test July to September 2023
- Meeting 1 on 6 Nov 2023
- Meeting 2 on 4 Dec 2023

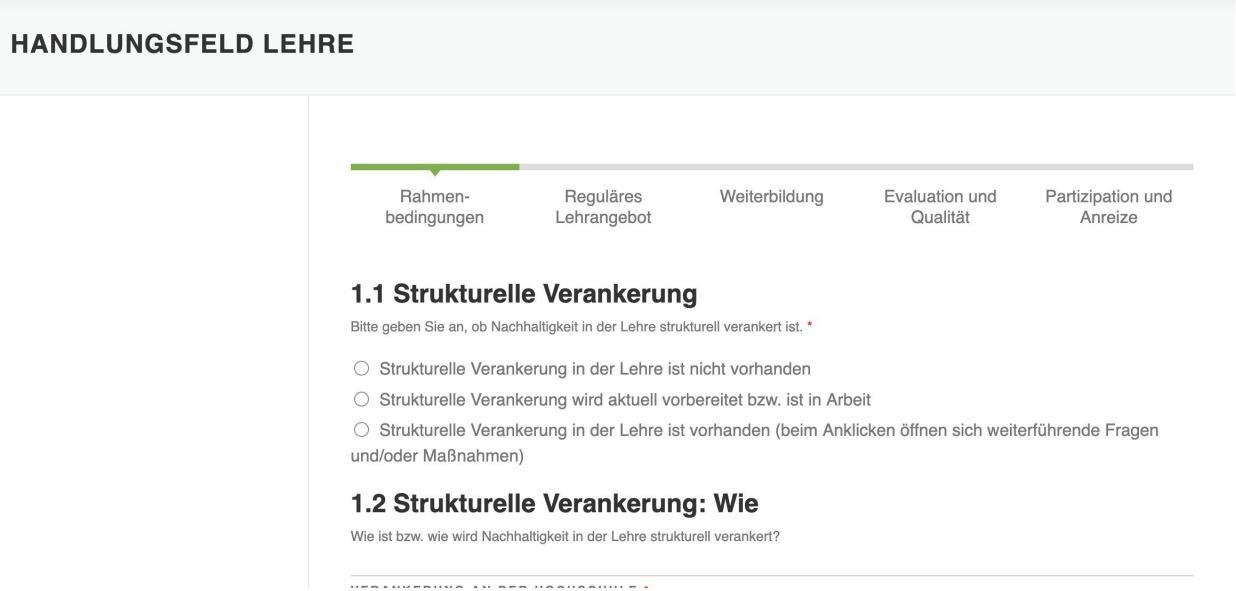
Working group Operations
- Pilot test December to February 2024
- Meeting 1 on 19 Apr 2024
- Meeting 2 on 3 May 2024

Web-based tool application
- September to November 2024

Selected Results: Scope of Web-Based Tool Application

- **20 universities:** (pilot universities + interested universities)
- **Action fields:** Teaching, Research, Outreach, Governance, Operations
- **Data entry:**
  - Five forms: the respective forms can be filled out and submitted separately
  - Comment fields at the end of each form





Outcome: Scope of Web-based Tool Application

	Teaching	Research	Outreach	Governance	Operations
Completely	7	4	4	6	3
Partially	5	5	4	5	10
Sum	**12**	**9**	**8**	**11**	**13**

Some universities have only filled in individual fields of action, while others have filled in all five fields of action.

Outcome: One Flyer for Each Action Field

Action field	Total	Systematised	Topics Workshop 1	Topics Flyer (Indikators)
Teaching	420	25	6	5 (12)
Research	238	38	3	3 (15)
Outreach	242	46	2	6 (22)
Governance	46	19	3	4 (17)
Operations	232	20	2	3 (22)
Sum	**1178**	**148**	**16**	**88**

Selected Results: Flyer Teaching

Sections:

1. Institutional conditions for sustainability in teaching (five qualitative indicators)
2. Regular curriculum offerings (one quantitative indicator)
3. Further education and training (three qualitative and three quantitative indicators)
4. Evaluation and quality (one qualitative indicator)
5. Participation and incentives (three qualitative indicators)

TECHNISCHE UNIVERSITÄT DRESDEN

gefördert durch DBU Deutsche Bundesstiftung Umwelt

UNISIMS Standardisiertes webbasiertes Benchmark-System zur Nachhaltigkeitsbewertung an Hochschulen

HANDLUNGSFELD LEHRE

ABSCHNITT 1: RAHMENBEDINGUNGEN VON NACHHALTIGKEIT IN DER LEHRE

1.1 Bitte geben Sie an, ob Nachhaltigkeit in der Lehre strukturell verankert ist.

Antwortoptionen:

- Nachhaltigkeit in der Lehre ist nicht verankert
- Verankerung wird aktuell vorbereitet bzw. ist in Arbeit
- Verankerung ist an Hochschule vorhanden
- Verankerung ist an Fakultäten/Fachbereichen vorhanden
  - Bitte geben Sie den Anteil der Fakultäten an den Gesamtanzahl der Fakultäten an der Hochschule, an denen die Nachhaltigkeit verankert ist.
- Verankerung ist in Modulen vorhanden
- Verankerung ist in Studiengängen vorhanden
  - Bitte geben Sie den Anteil der Studiengänge an der Gesamtanzahl der Studiengänge an der Hochschule in denen die Nachhaltigkeit verankert ist.

Selected Results: Flyer Teaching

Institutional conditions for sustainability in teaching

1.1 Please indicate whether sustainability is structurally embedded in teaching.

1.2 How is sustainability structurally embedded in teaching, or how will it be embedded?

1.3 The content-based understanding is defined based on the following concepts (options provided).

1.4.1 Please indicate whether sustainability is a component or criterion in the introduction of degree programs accredited by the university.

1.4.2 Please indicate whether sustainability is a component or criterion in the accreditation of the degree programs by the external agency.

Selected Results: Flyer Teaching

Regular curriculum offerings

2.1 Number/share of degree programs with a sustainability focus (definitions provided).

Selected Results: Flyer Teaching

Further education and training

3.1 Professional development and continuing-education offerings for instructors on the concept and/or pedagogy of ESD (Education for Sustainable Development) are available.

If 3.1 is answered “Yes,” then, if possible, provide quantitative information on:

3.1.1 Number/share of professional development and continuing-education offerings on the concept and/or pedagogy of ESD, with and without a certificate

3.1.2 Number/share of offerings on the concept and/or pedagogy of ESD relative to the total number of professional development and continuing-education offerings

3.1.3 Number/share of ESD-related professional development and continuing-education offerings taken up by instructors

3.1.4 Open field to list professional development and continuing-education offerings on the concept and/or pedagogy of ESD (optional).

3.2 Extracurricular sustainability-related continuing-education offerings for students with a certificate are available.

Outcome: Flyer Teaching

Evaluation and quality

4.1 Please specify the evaluation formats that support the integration of sustainability into teaching (definitions provided)

Selected Results: Flyer Teaching

Participation and incentives

5.1 Please indicate which levels of participation are considered for promoting sustainability in teaching.

5.2 Please indicate how interest in sustainability in teaching is fostered.

5.3 Please specify the opportunities for co-creation/participation in shaping sustainability in teaching.

Technische Universität Dresden

Thank you for your attention!

Email:
leyla.azizi@tu-dresden.de