WP 0: Coordination, Outreach and Publicity

CISPA, DKFZ

Project management
- Coordination
- Workshops/Meetings
- Outreach / Helmholtz networking

Project Field 1: Assessment and Regulatory Aspects

WP 1-1: Technical Privacy and Security Assessment

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WP 1-2: Regulatory Data Protection Assessment

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WP 1-3: Compliance Documentation and Audit

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Legal/regulatory research
- Security / requirements assessment based on use cases
- Convoys methodical developments to ensure explainability and accountability

Project Field 2: Enforcing privacy

WP 2-1: Trusted Federated Algorithm Deployment

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WP 2-2: Private and Effective Federated Learning

CISPA (Lead), DKFZ

Project Field 3: Processing/Analytics

WP 3-1: Causality in Federated Learning

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WP 3-2: Federated Learning Schemes

CISPA, DKFZ (Lead)

Project Field 4: Attribution and Authorship Tracking

WP 4-1: Legal Analysis of Attribution and Intellectual Property in Federated Workflows

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WP 4-2: Authenticity of released Statistics

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Methodical research
- Research and development on topics that are important for trustworthy federal data analytics
- Guided by the assessments of field 1 and requirements of the use cases

- Field 2: technical means that enforce privacy and ensures trustworthiness in a federated analytics scenario

- Field 3: ensure trustworthy results, gained by federated analytics, as well as causality and uncertainty quantification

- Field 4: track/proof the usage of data or resources in federated analysis without violating privacy requirements

Use Case

WP U1: Federated radiation therapy study

DKFZ

Use Case / Evaluation
- Defines the requirements for federated analytics
- Serves as continuous field 2 test bed
- Conducts feasibility studies and evaluation

Research field:	Key technologies/Information	Health
Center:	CISPA	DKFZ