



# Linking Learning Management Systems

Interuniversity course sharing at the touch of a button

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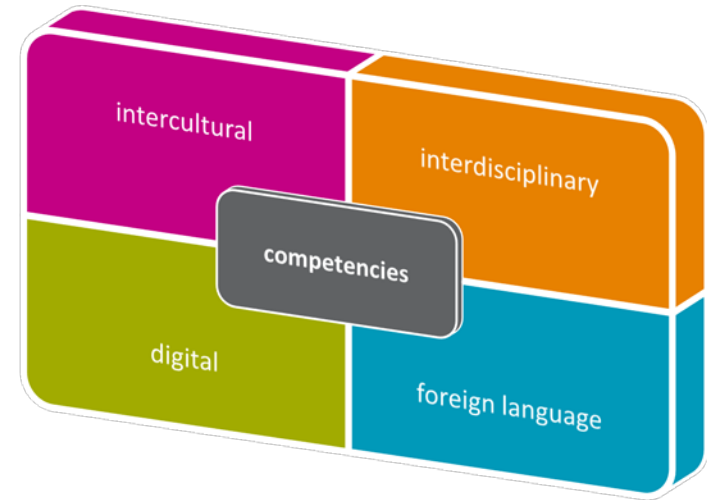
# Session outline

- [Digital Mobil @ FH Bielefeld](#)
- [Pilot project – Corporate Learning and Innovation](#)
- [Platform for interuniversity course sharing](#)
- [LTI and ECS – Differences and Similarities](#)
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# Digital Mobil @ FH Bielefeld

## Main goals

- Combine internationalization and digitalization
- Enable virtual mobility
- Digital collaborations across countries
- Skills for a digital and international world



# Digital Mobil @ FH Bielefeld

## Subprojects

- Curricula and study programs
- Methodological knowledge and digital competencies
- Digital infrastructure for transnational teaching
- Administrative processes

# Digital Mobil @ FH Bielefeld

## Subproject 3: Digital infrastructure for transnational teaching

Subproject 3 has a technical focus on infrastructure for transnational teaching. It addresses options for linking learning management systems and reducing technical obstacles for transnational student collaboration.

- Connecting learning management systems (common course rooms)
- Tools for virtual projects
- Further infrastructure for transnational teaching

# Pilot project – Corporate Learning and Innovation

## Concept

- virtual onboarding
- learning content delivered as learning videos and video streaming
- additional teaching material available on a shared learning platform
- International teams work on a business simulation game

# Platform for interuniversity course sharing

## Interuniversity team teaching



## Interuniversity cultural exchange

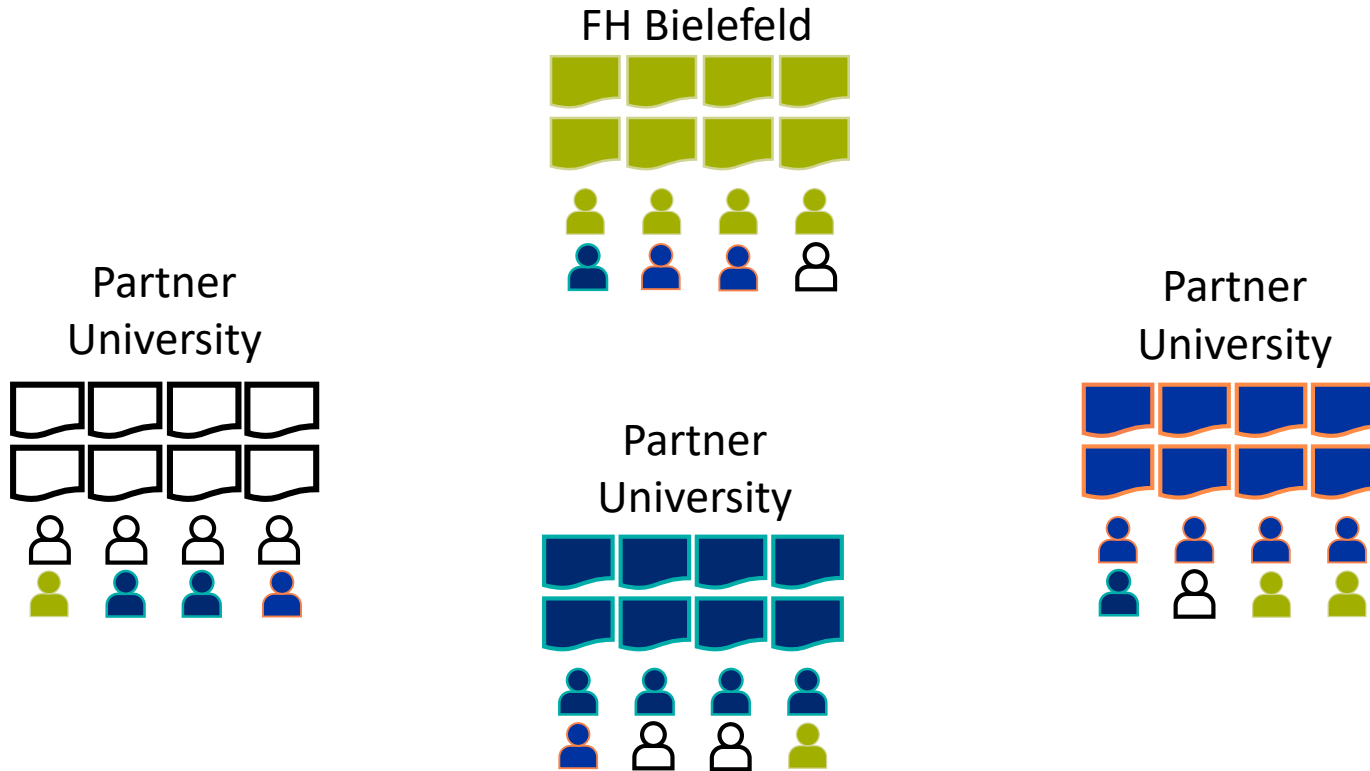


## Enrich course catalogue



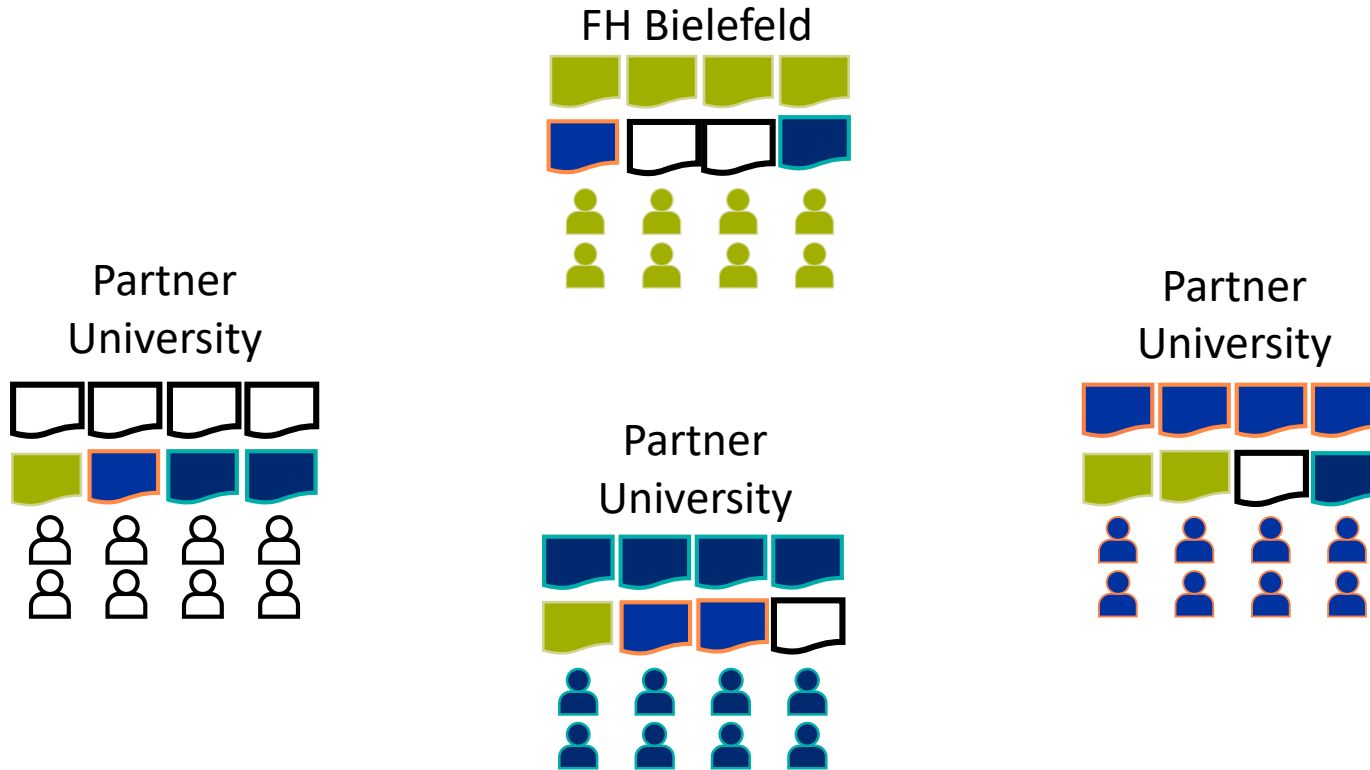
[Bilder von macrovector - de.freepik.com](https://www.freepik.com)

# Forms of student mobility – Enrollment & Separate Logins





# Forms of student mobility – Course Sharing



Student view demo available at:  
[Accessing a shared course as a student](#)

# LTI and ECS – Differences and Similarities

## Learning Tools Interoperability

- Implemented for most LMSs (ILIAS, Moodle, Canvas ...)
- Few provider implementations

### Availability

- None

## ELearning Community Server

- Core ILIAS feature  
Plugin for Moodle, StudIP

### Prerequisites

- Hosted ECS Platform

# LTI and ECS – Differences and Similarities

## Learning Tools Interoperability

- Lecturer generates / sends URL, Key and Secret
- Partner creates course link

## Course Sharing Workflow

## ELearning Community Server

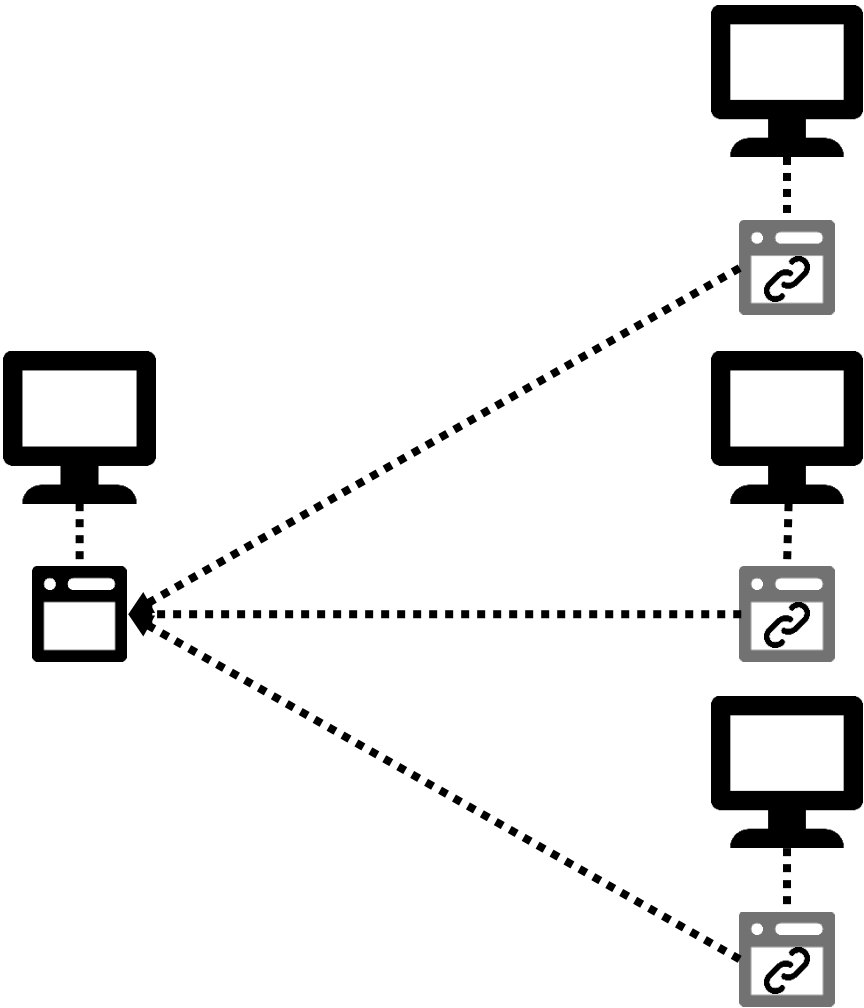
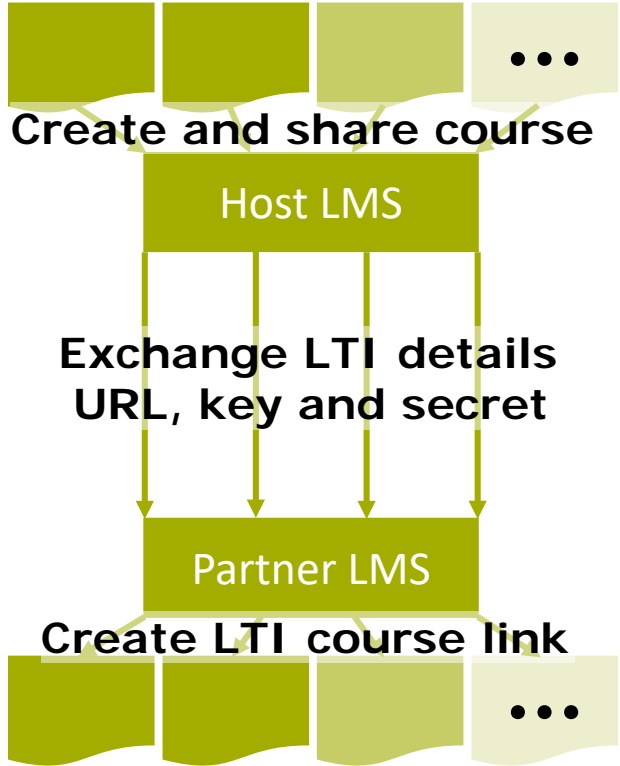
- Lecturer ticks share checkbox

## Features

- Enable Access to foreign Resources
- Students may use most LMS Features
- Only one Login

# Course Sharing Workflow

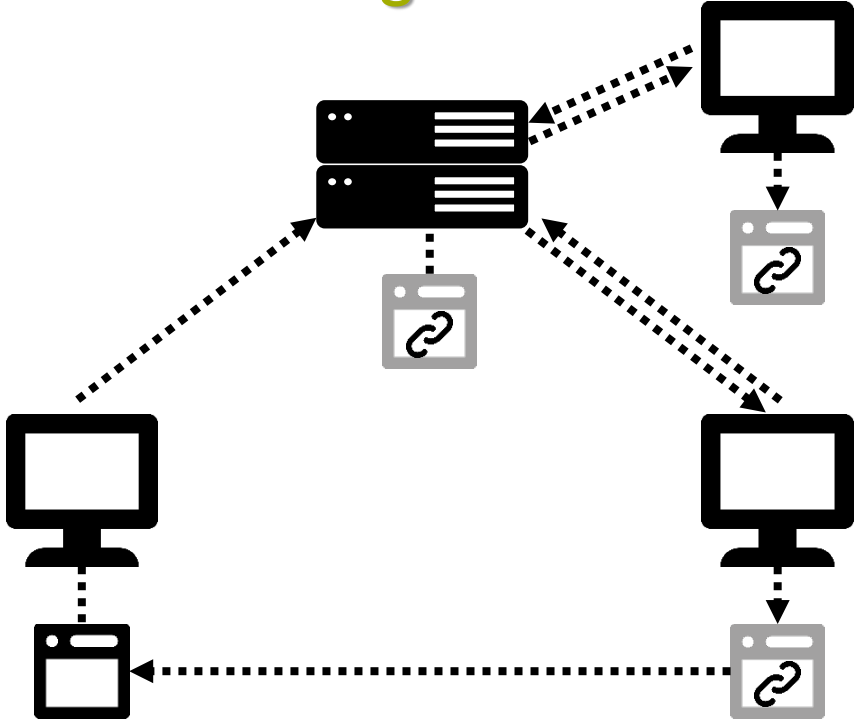
## Learning Tools Interoperability



[Open Iconic](#)

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# Course Sharing Workflow



[Open Iconic](#)

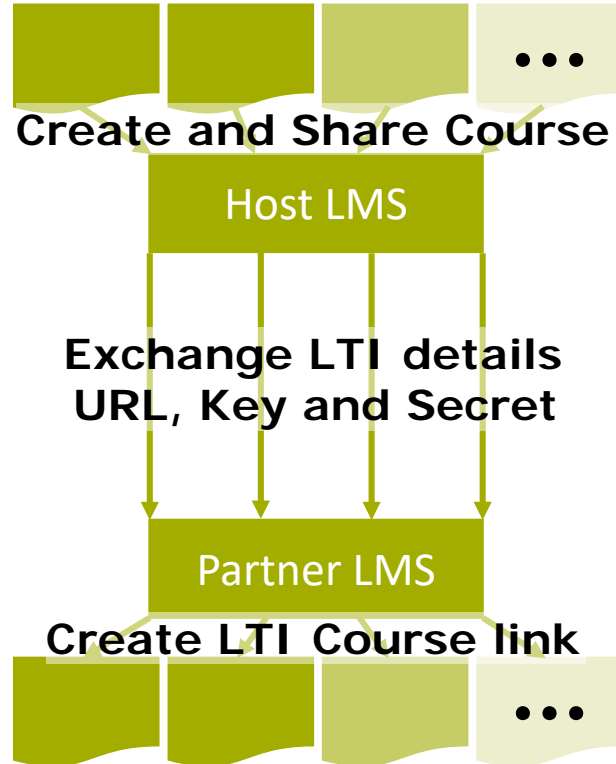
## ELearning Community Server



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# Course Sharing Workflow

## Learning Tools Interoperability



## ELearning Community Server



LTI course sharing demo available at:  
[Releasing a course using LTI](#)



ECS course sharing demo available at:  
[Releasing a course using ECS](#)

# In a nutshell

## Learning Tools Interoperability

- Lightweight setup
- Consumer feature widespread
- Few provider implementations
- No automation
- Small scale one-to-one course sharing

### Advantages

### Disadvantages

### Use case

## ELearning Community Server

- Highly automated
- Flexible sharing options
- Server needed
- Only ILIAS, Moodle and StudIP
- Long-term many-to-many course sharing

# Progress @ FH Bielefeld

## **Pilot phase – winter term 2020 / 2021**

- Elearning Community Server setup
- 2 partner university connected
- First course released this week
- 5 joint courses planned

## **Rules**

- Incomers only access shared course
- Incomers marked with tags
- Account expires after 6 month



# Thank you

## Questions, Ideas, Feedback?

Contact: [digitalmobil@fh-bielefeld.de](mailto:digitalmobil@fh-bielefeld.de)  
[daniel.kappe@fh-bielefeld.de](mailto:daniel.kappe@fh-bielefeld.de)

### Sessions Q&A

<https://t1p.de/xzq9>



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