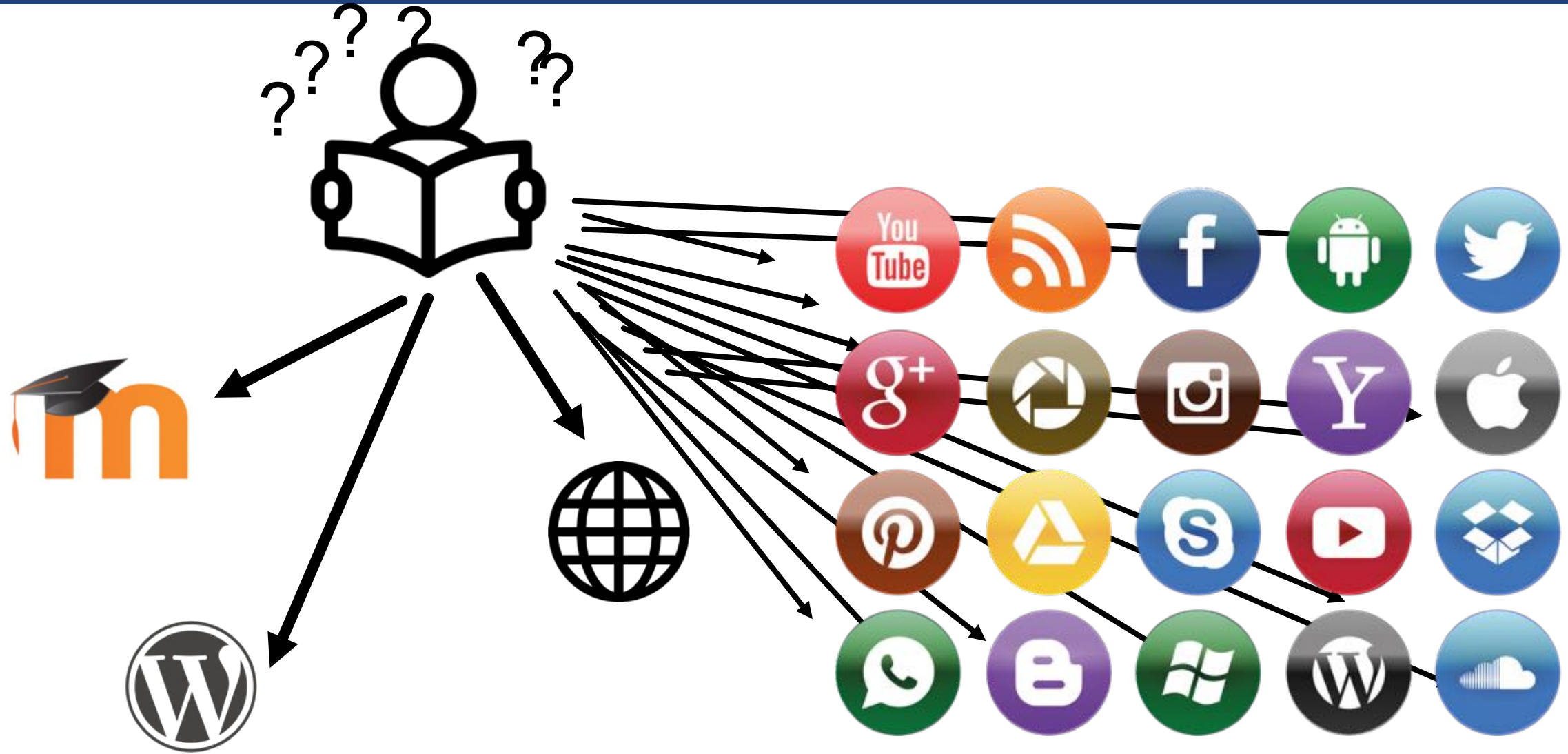




Moodle als Hub – geht das?

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Übersicht

- Moodle und LTI
- Technische Umsetzung
- Workflow
- Probleme
- Zukunft



- Learning Tool Interoperability
 - Standard, um Inhalte und Ressourcen mit Lernplattformen zu verbinden
- LTI-Provider – LTI-Consumer
- Versionen
 - 2010 : v1
 - 2012 : v1.1 - Bewertungen können zurückgeschrieben werden
 - 2014 : v2.0 – ermöglicht komplexe Zweiwegkommunikation mittels REST

Moodle und LTI

- Als Consumer
 - Ab Moodle-Version 2.2, ab Version 2.8 LTI 2.0
 - Externes Tool
- Als Producer
 - Ab Moodle-Version 3.1, ab Version 3.2 LTI 2.0
 - LTI-Authentifizierung

How To

- Externes Tool anlegen (als Teacher im Kurs oder als Admin)
 - Tool-URL
 - Consumer Key
 - Shared Secret

The screenshot shows a configuration page for an external tool. On the left is a sidebar with navigation links: 'es', 'ses', 'ISTRATION', 'Administration', 'ications', 'ibration', 'nced features', 'i', 'ses', 'es', 'es', 'ion', 'uage', 'ns', 'tall plugins', 'ugins overview', 'tivity modules', and 'Common settings'. The main content area contains the following fields:

- Tool name***: lynda.com External Tool
- Tool base URL***: https://www.lynda.com/portal/it/
- Consumer key**: LYNDALT|
- Shared secret**: [empty field] with an **Unmask** checkbox.
- Custom parameters**: [empty text area]
- Show tool type when creating tool instances.
- Default launch container**: Embed, without blocks

At the bottom of the main area, there is a link: **> Privacy**

Konkrete Anfragen an der ETH

- Labster
- eCollab (Pressbooks/Wordpress)
- CodeExpert



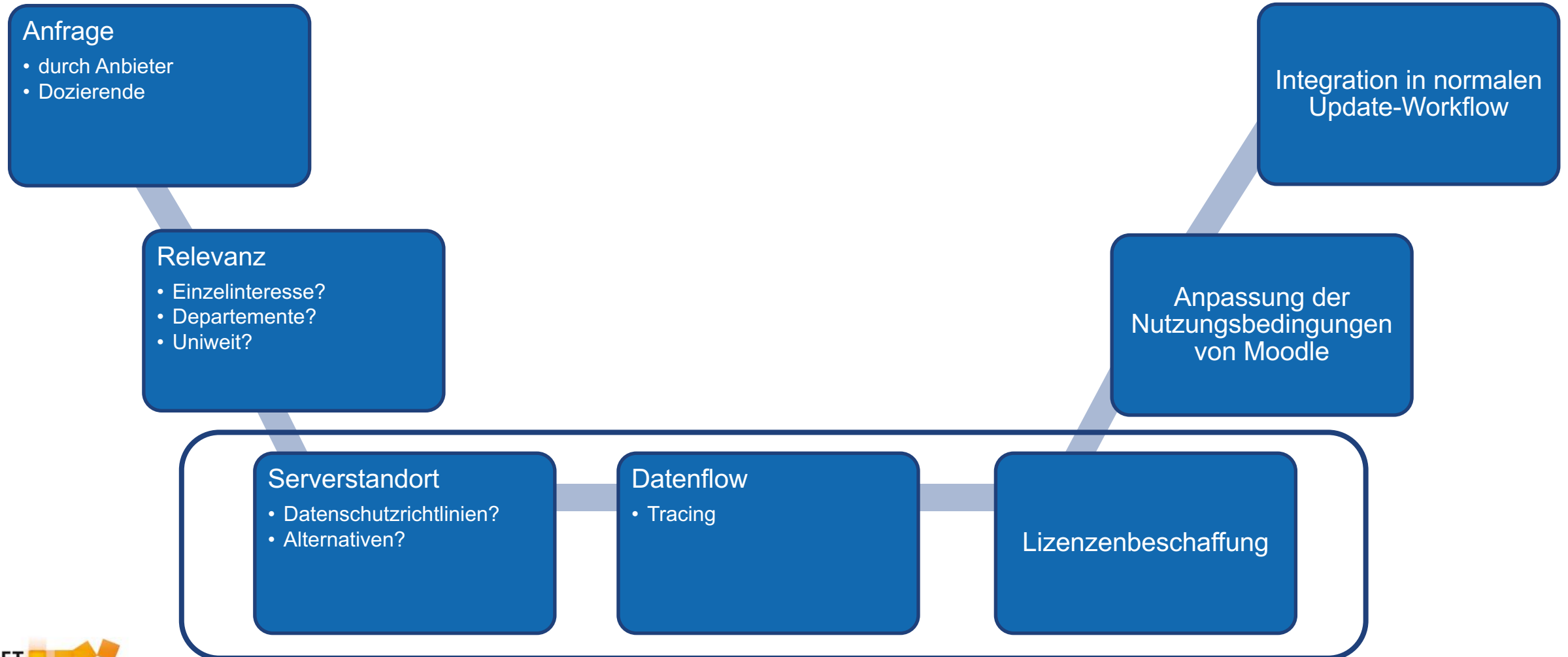
Datenschutz

- Übergebene Daten:
 - Anwendername
 - Mailadresse
 - Rolle

- Bewertungen

**Wohin gehen die Daten? Wo steht der Server des LTI-Providers?
Wie sieht die Datenschutz-Policy aus?**

Workflow



Technische Umsetzung: Probleme

- Neues Externes Tool standardmässig für Teacher → potentielles Problem
 - Datenschutz
 - Usability
 - Reputationsschaden
- 2 Rechte steuerbar:
 - Kursspezifisch LTI Aktivitäten konfigurieren: `mod/lti:addcoursetool`
 - Aktivität 'Externes Tool' hinzufügen: `mod/lti:addinstance`
- Probleme
 - Systemweite Externe Tools können nicht spezifisch restriktiv zugelassen werden
 - Externe Tools können vom Teacher immer geändert werden: Basierend auf URL

Anforderungen

- Es bräuchte detaillierte Rechteverwaltung bspw.
 - Mod/Iti: allowglobal
 - Mod/Iti: allowchange
 - ...

- LTI für externe Tools in Fragen

Welcome to the ETH Code Expert

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cu there!

ETH Zurich is one of the world's leading technical and scientific universities. It is known for its excellent teaching, pioneering research and the direct transfer of new findings into practice. The **Educational Development and Technology** (Lehrentwicklung und -technologie (LET)) unit, which reports to the Rector of ETH Zurich, assists ETH Zurich faculty in their teaching task, including its digital aspects. Here ETH Zurich is very active in the development of the open-source learning platform Moodle. In this context new projects are planned in the areas of online examinations and the integration of ETH teaching applications, and we are seeking an experienced

Moodle developer 80-100%

to start immediately.

The successful candidate will be responsible for technical implementation of Moodle development projects at ETH and within the international Moodle community. Here this person will develop modular Moodle plugins. He/she will assist with release planning by estimating the extent of the development workload; will be responsible for quality assurance; and will conduct maintenance and fix bugs. He/she will maintain constant contact with ETH Zurich's Moodle service managers and generate regular needs analyses.

The successful candidate is a qualified application developer, holds a Bachelor of the computer science field at least, or has a comparable background in the computer science field. He/she has