

E-LEARNING SUPPORT STRUCTURES

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The Freie Universität Berlin (FU)



FU facts and figures*

- 34,000 students, 60% women, 16% international
- 400 professors
- 1,700 academic staff, 40% research funded
- 2,200 additional staff
- 12 departments, including the Charité
- State budget: 290 million euros p.a.
- Third-party funding: 60 million euros p.a.
- Excellence Initiative: 150 M€ (for five years)



* Figures exclude human medicine (Charité)

FU Study profile

- Traditional full research university with 100 fields of study
- 74 institutes
- Center for Area Studies
 - John F. Kennedy Institute for North American Studies
 - Institute for Latin American Studies
 - Institute for Eastern European Studies
 - East Asia Studies
 - Middle East Studies
 - Center for Italian Studies
 - Center for French Studies
 - European Studies
- Bachelors and Masters programs
- Berlin University for Continuous Studies (joint venture with Klett Publ. Inc)



About Learning and Technologies

What is
TEL?



A phone?

About Learning and Technologies

What is TEL?



A Telecom Company?

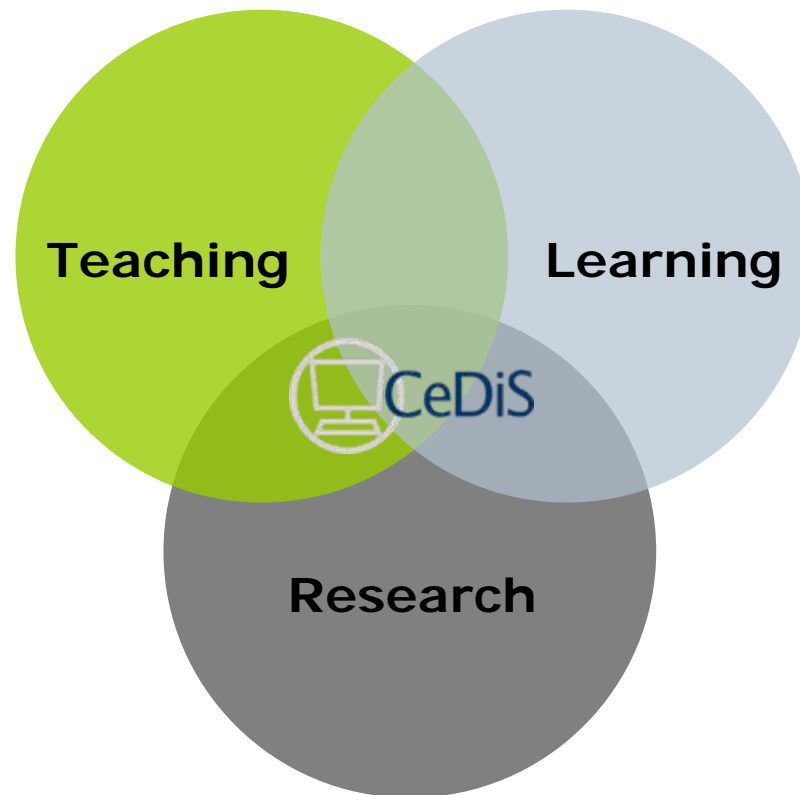
About Learning and Technologies

What is TEL?



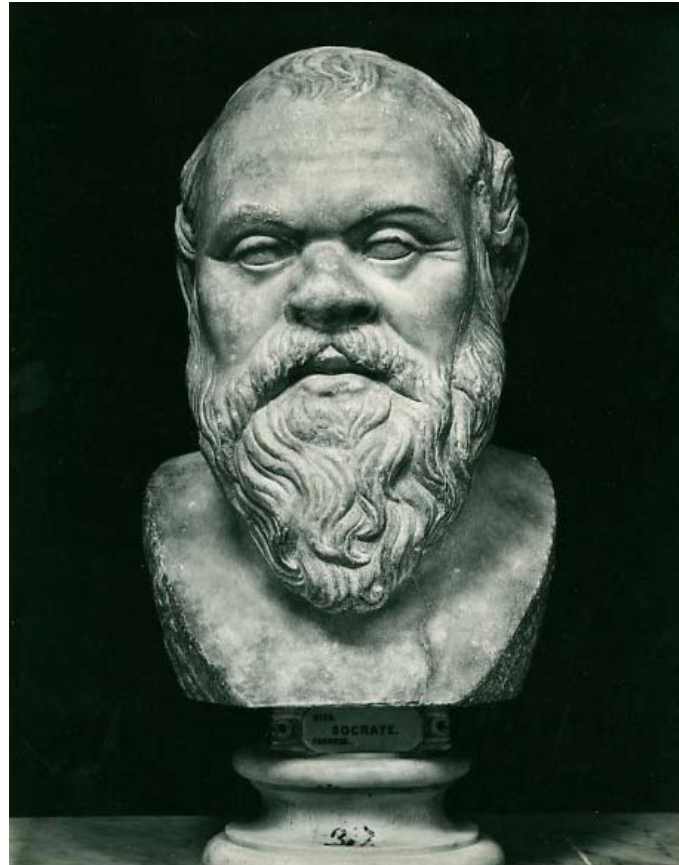
An acronym for
„Technology Enhanced
Learning“?

Excellence at Universities



Gerhard Casper, former President Stanford University

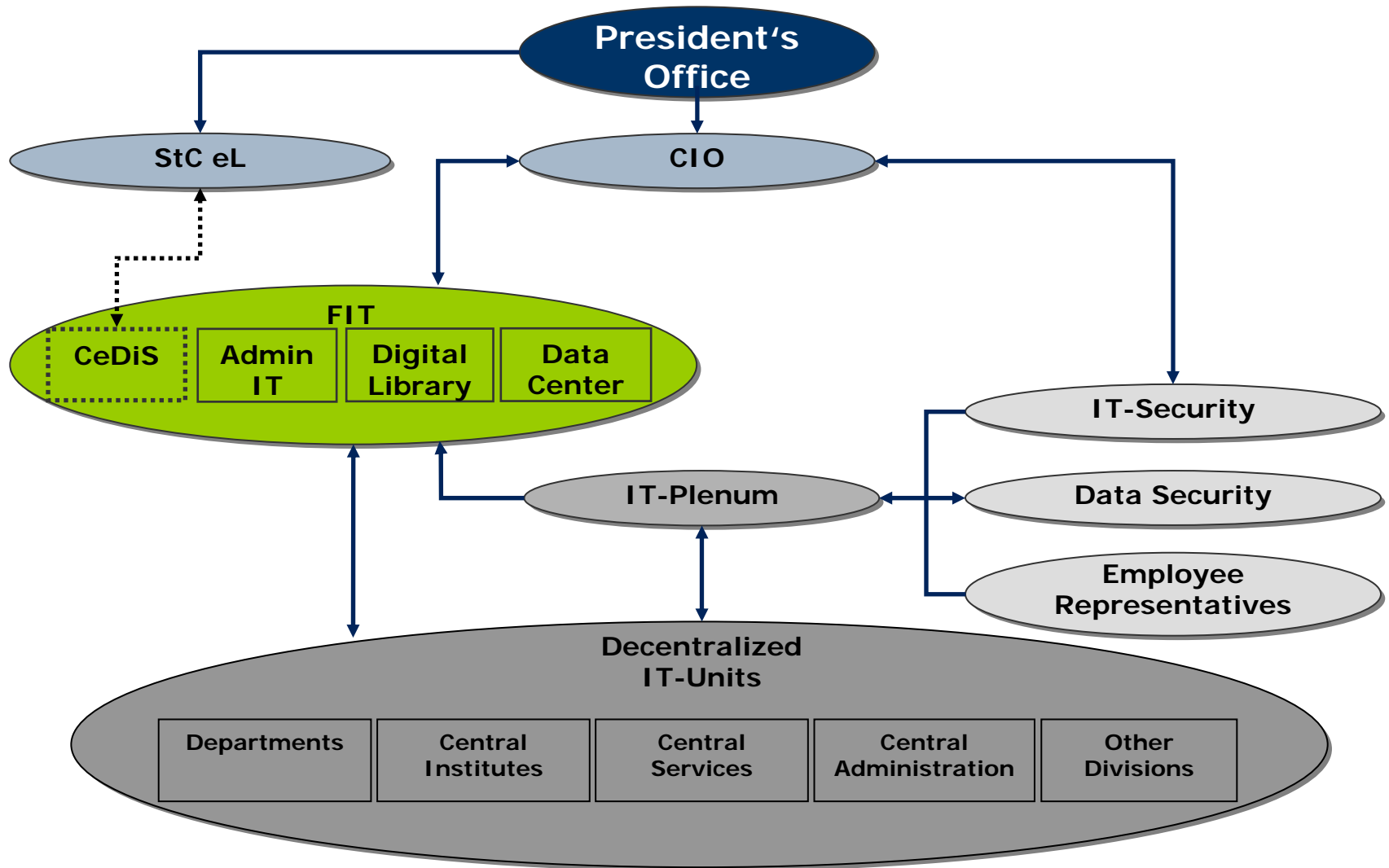
About lifelong learning ...



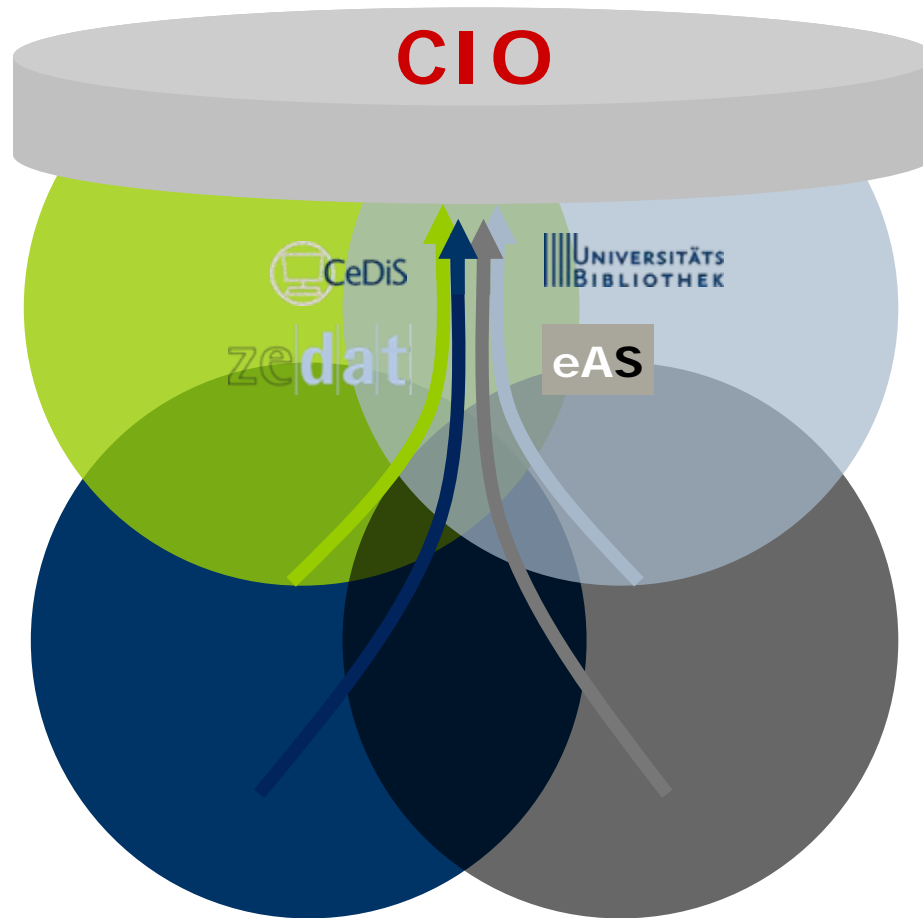
ΓΗΡΑΣΚΩ ΑΕΙ ΔΙΔΑΣΚΟΜΕΝΟΣ

ΣΩΚΡΑΤΗΣ
470-399 π.Χ.

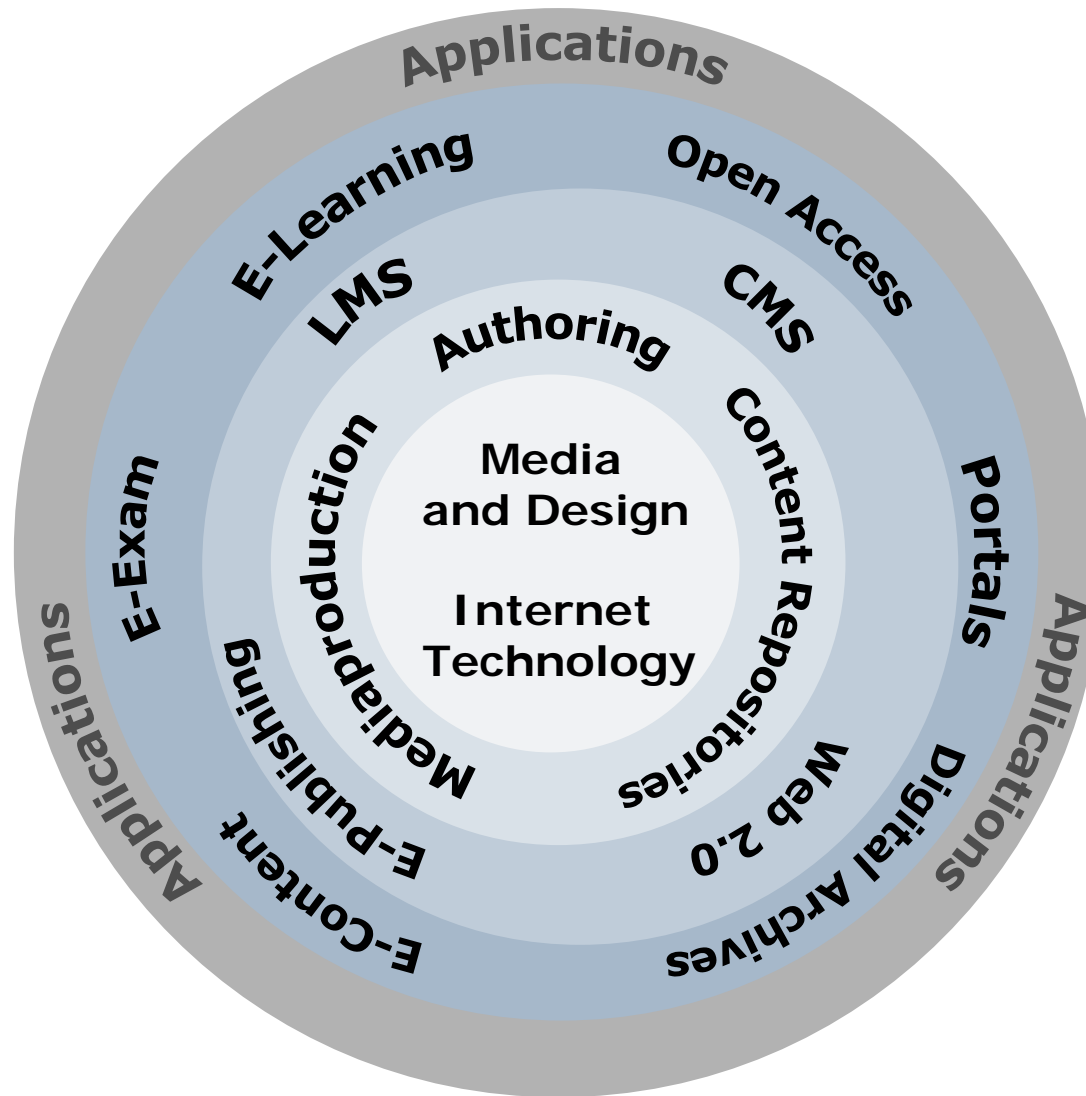
FIT: IT at the Freie Universität



FIT Strategic Alliance



CeDiS – Structure



CeDiS Teams

FU e-Learning Grants

powered by **FUe-Learning**

FUeL

dc
distributed campus

new
economy

NEUE STATISTIK

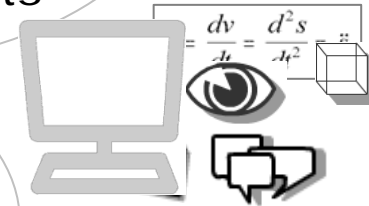
learningnet

External Grants

e-Publishing
Open Access

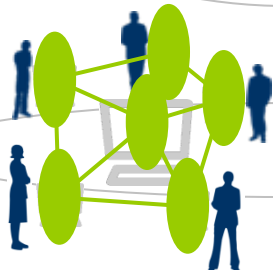


Web 2.0



Authoring

Learning
Management
System
(LMS)

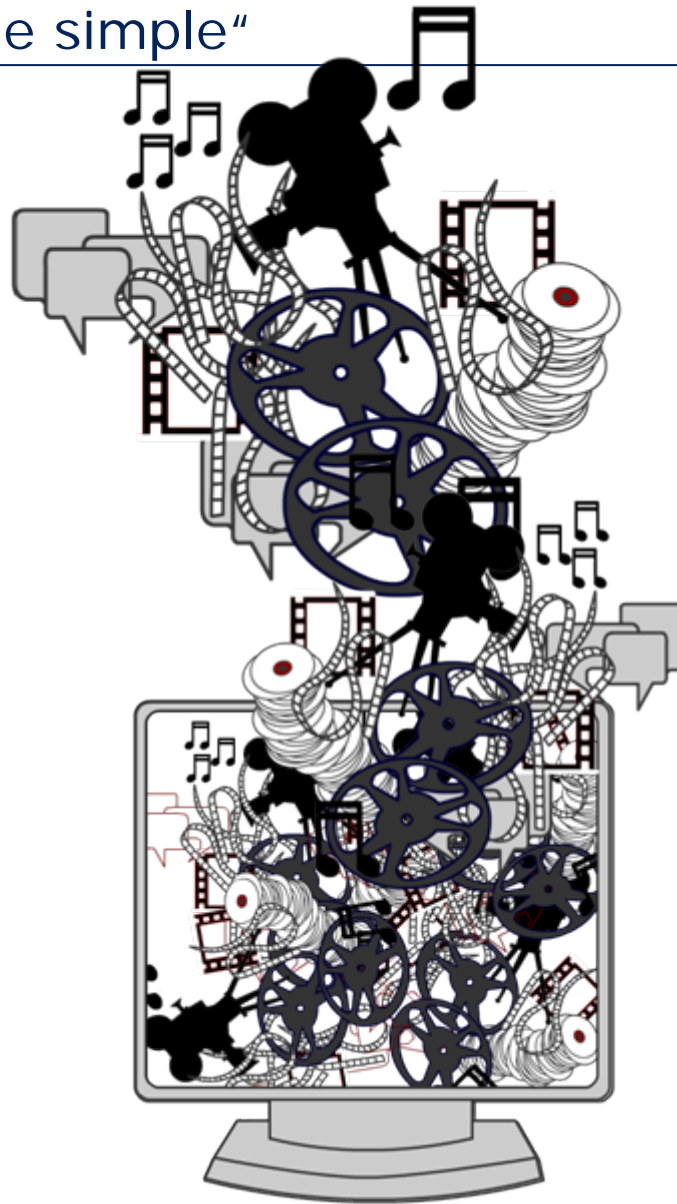


Media & Design



Content
Management
System
(CMS)

Multimedia “made simple”



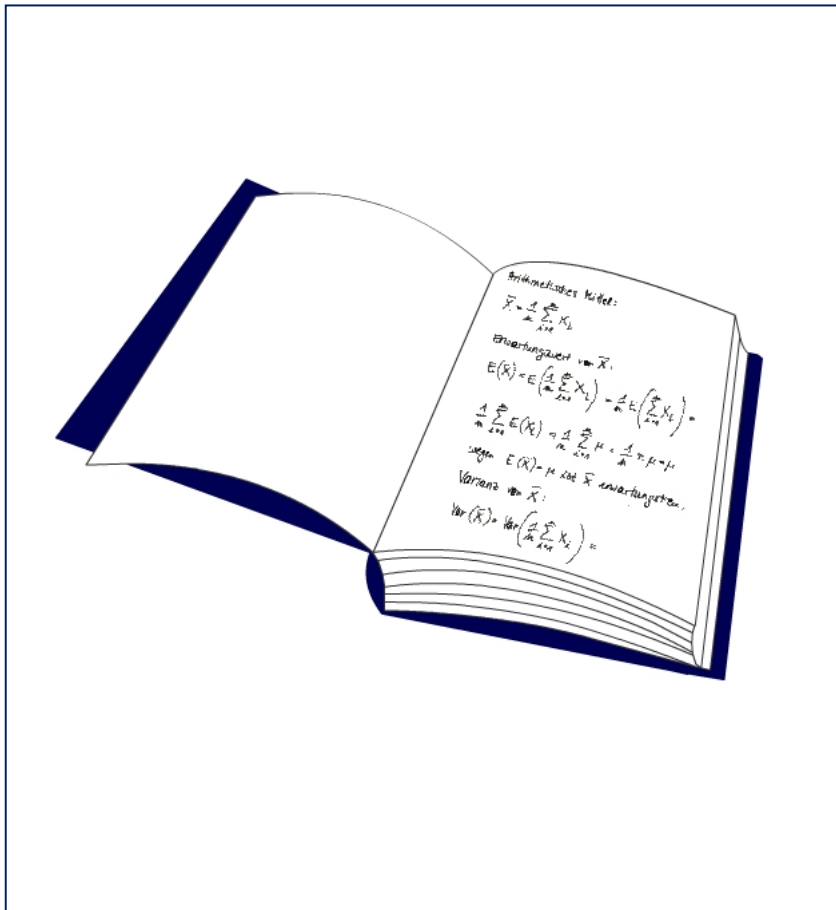
Fundamental Decisions for Multimedia Learning Applications

Attractive digital learning material increases learners' motivation and reduces the weaknesses of computer systems

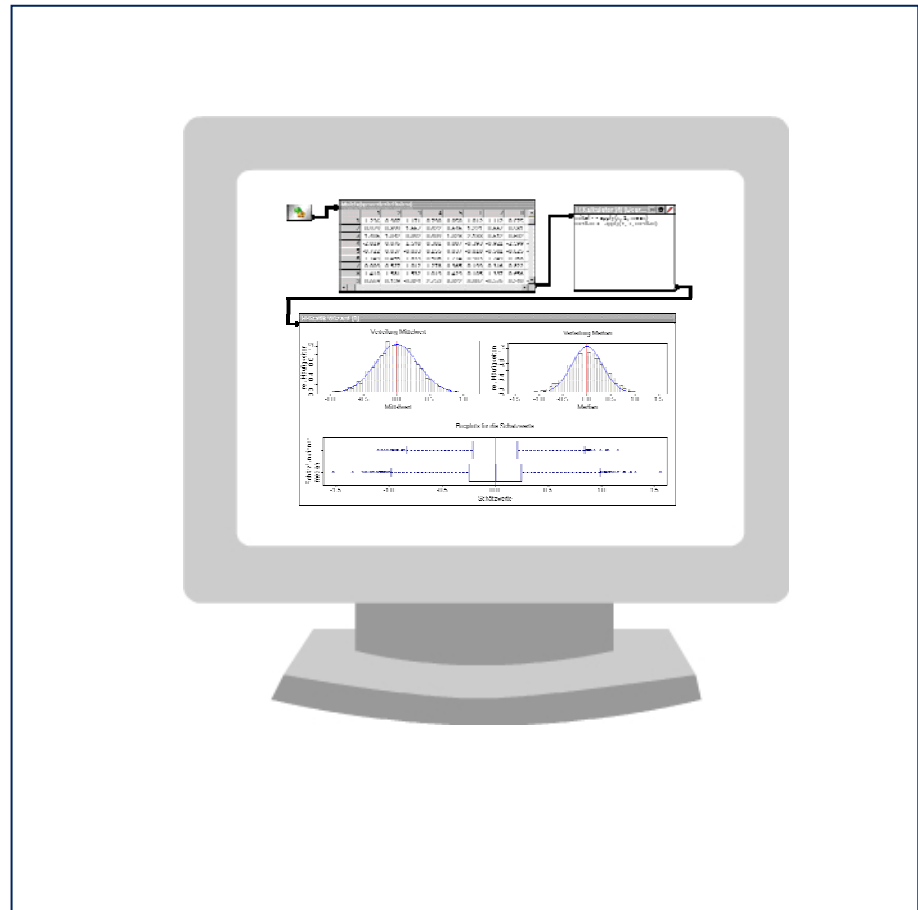
- Problem based learning (constructivism)
- Combination of theory, practice and computer-aided tools (search, animation, simulation, hyperlinks)
- Enhanced visualization of abstract topics
- Integration of Video
- Active and rich interaction, personalization
- Multiple navigational assistance
- Creation of »aha«-effects

» Create humane applications «

„Traditional“ versus „New Statistics“

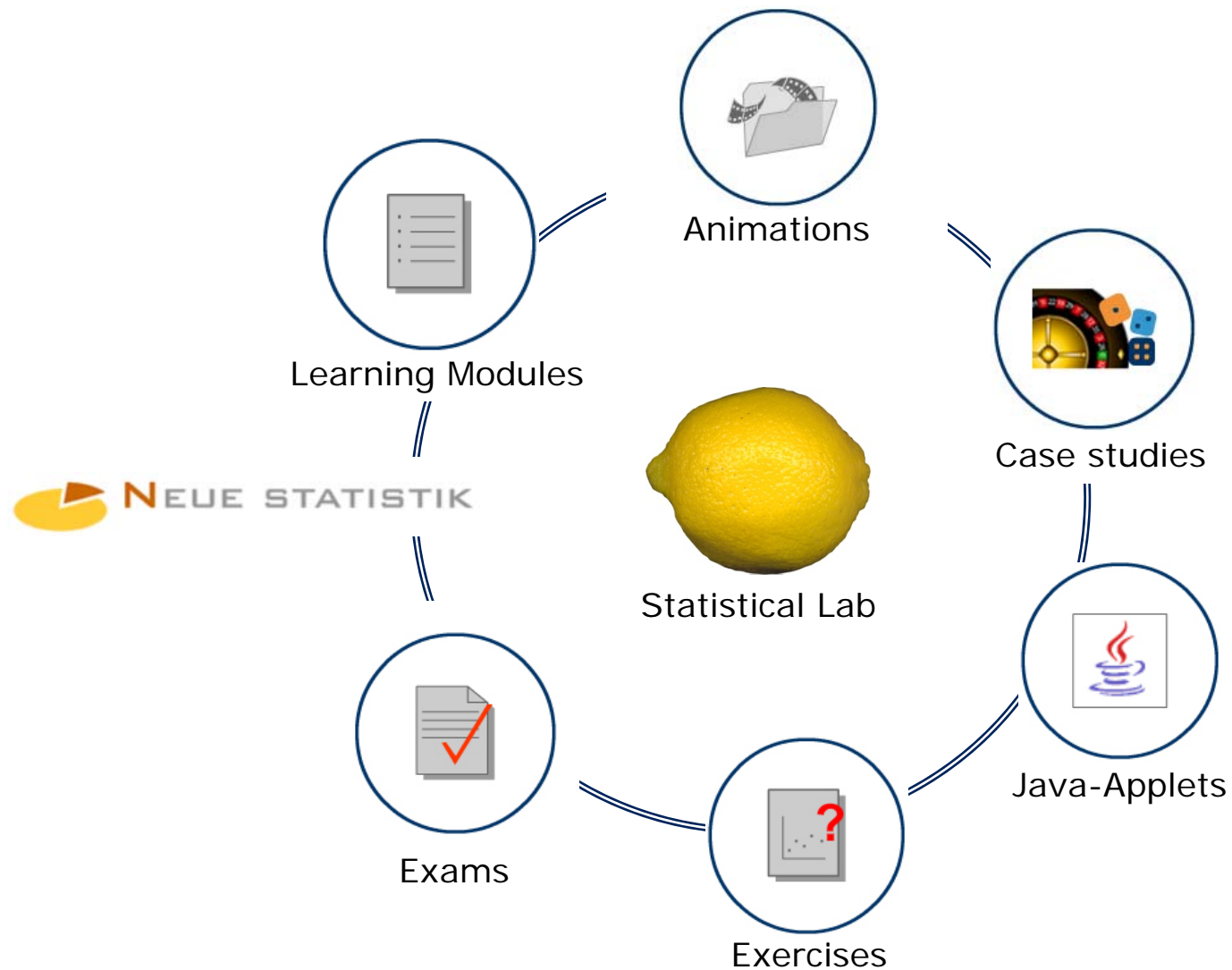


Statistics: yesterday and today



Statistics: today and tomorrow

New Statistics: Multimedia Learning Environment



Statistical Lab (www.statistical-lab.org)

Bikini* - Statistik-Labor

Dati Bearbeiten Projekt Einfügen Ansicht Hilfe

Texteditor [Aufgabenstellung] [Bearbeiten]

Der folgende Datensatz enthält die monatlichen Umsatzzahlen ausgewählter Produktgruppen eines Bekleidungseinzelhändlers sowie die durchschnittlichen Temperaturen der entsprechenden Monate.

Stellen Sie die Umsatzzahlen sowie den Temperaturverlauf grafisch dar; Besteht ein Zusammenhang zwischen Temperatur und den entsprechenden Umsatzzahlen?

Datensatz [D30]

	Monat	Temperatur	Bikinis	Handschuhe
1	Januar	5.000	97	1332
2	Februar	9.000	110	1311
3	März	14.000	450	854
4	April	16.000	652	564
5	Mai	21.000	785	255
6	Juni	23.000	914	133
7	Juli	24.000	988	137

R-Grafik Wizard [1]

Temperatur

Umsatz Handschuhe

Umsatz Bikinis

R-Grafik Wizard [2]

Bikinis gegen Temperatur

Handschuhe gegen Temperatur

Wizard für die Berichterstellung

Formulierung Objektauswahl

MS Sans Serif 14 B I U

Texteditor: Aufgabenstellung
Berichterstellung
R Code
Datensatz: D30
Daten
D30
R-Grafik Wizard: 1
R Code
Einstellungen
Bikmap
R-Grafik Wizard: 2
R Code
Einstellungen
Bikmap

Statistischer Bericht

Gegeben war folgender Datensatz:

D30
Daten
D30

Die Daten wurden ausgewertet und in den folgenden Diagrammen visualisiert:

1
Bikmap

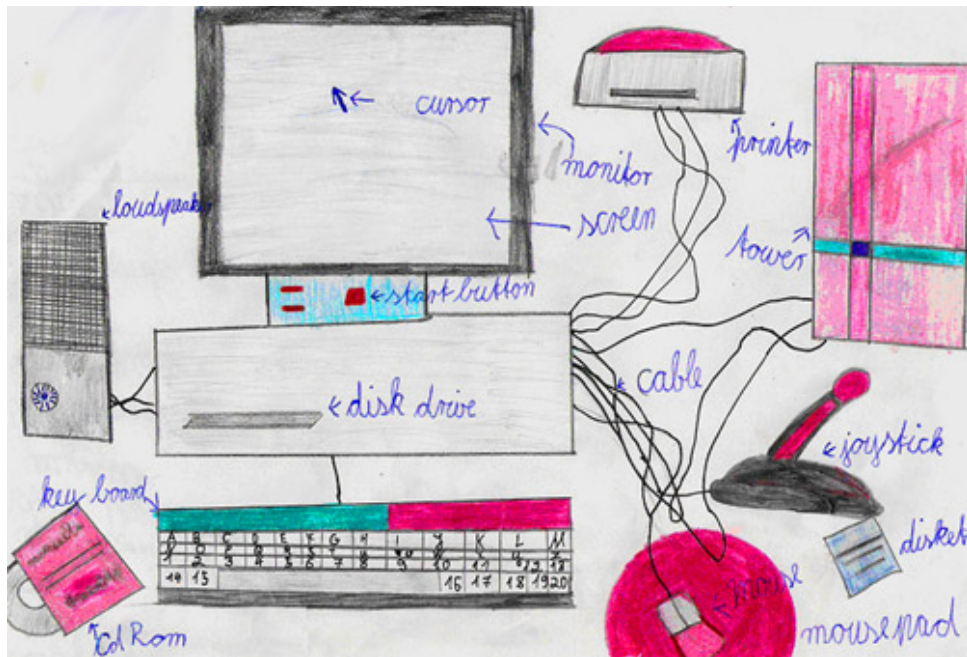
Die Abhängigkeiten wurden in den folgenden Streudiagrammen dargestellt:

2
Bikmap

Report erzeugen << Kleiner
OK Abbrechen Hilfe

Fertig

Vision: Is e-Learning easy to do!?



Source: www.uni-potsdam.de/agelearning/

e-Learning Environments



A significant advantage of e-Learning is the creation of individualized learning environments.....

Source: www.open-academy.com/de/elearning/lernende_/index.html

e-Learning everywhere?



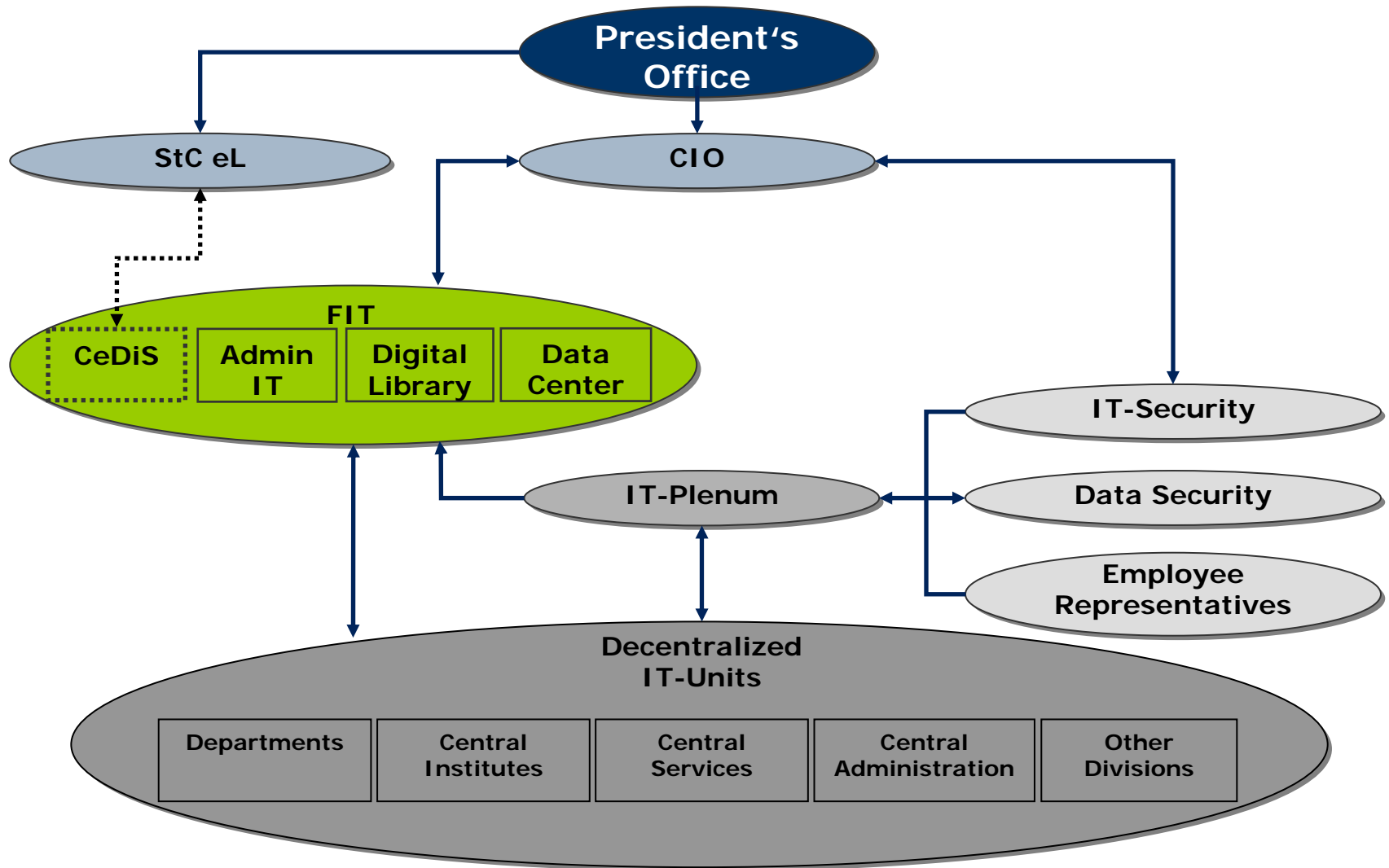
Digital Technology in Education: Future Vision...



Digital Technology and the Reality



FIT: IT at the Freie Universität



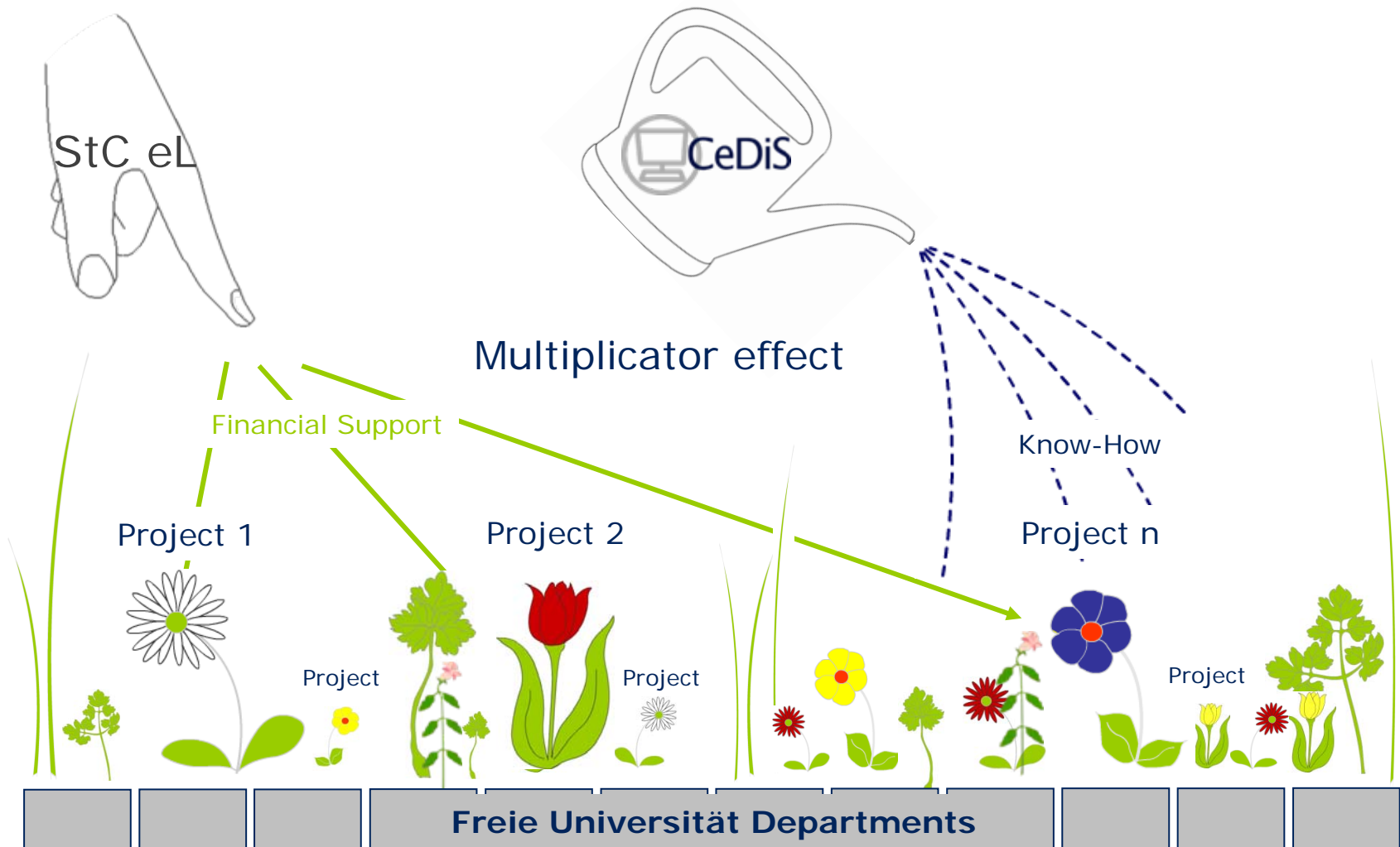
FU e-Learning Grants

FU e-Learning Grants

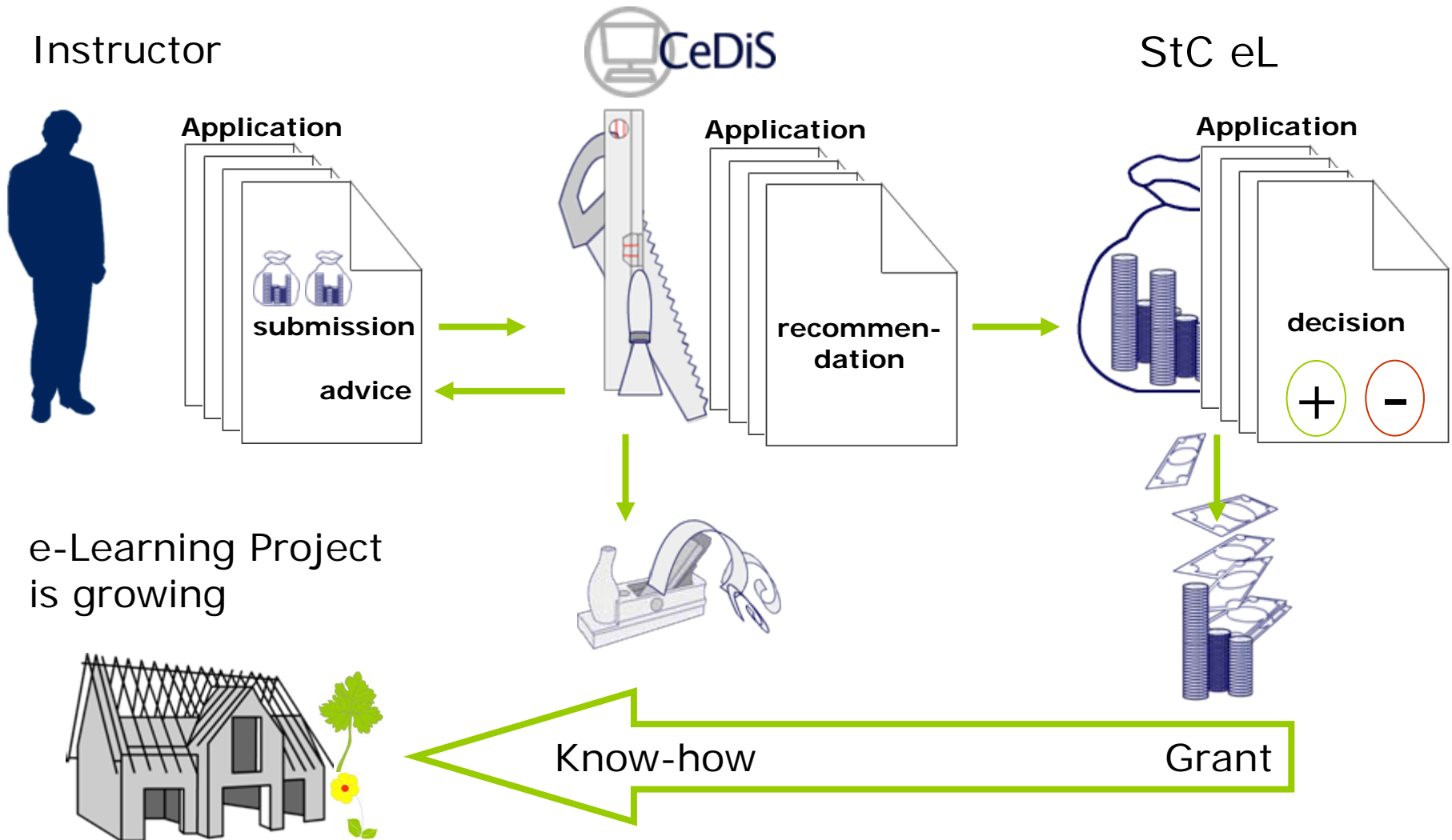


powered by **FUe-Learning**

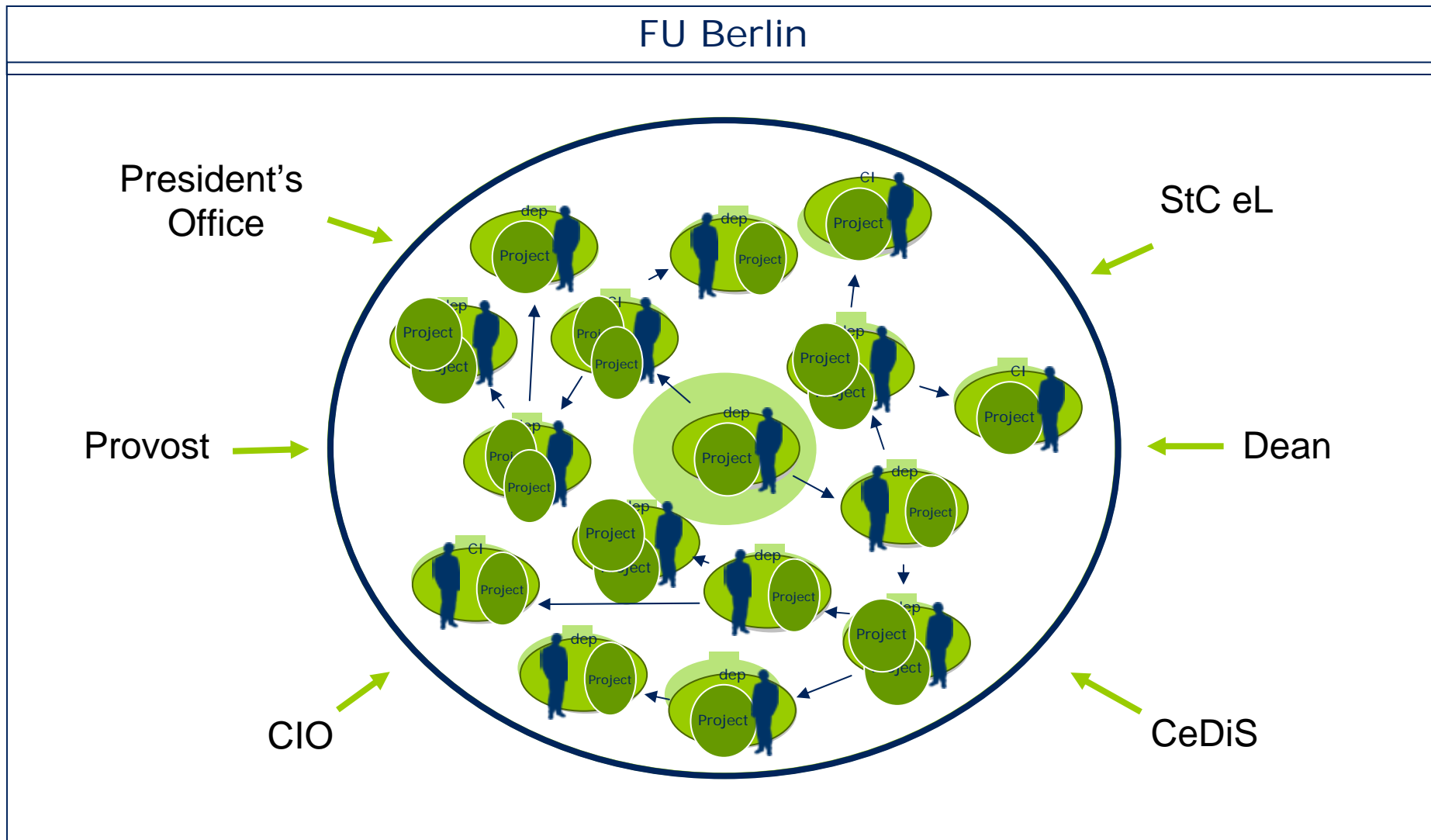
FU e-Learning Grants - Growth



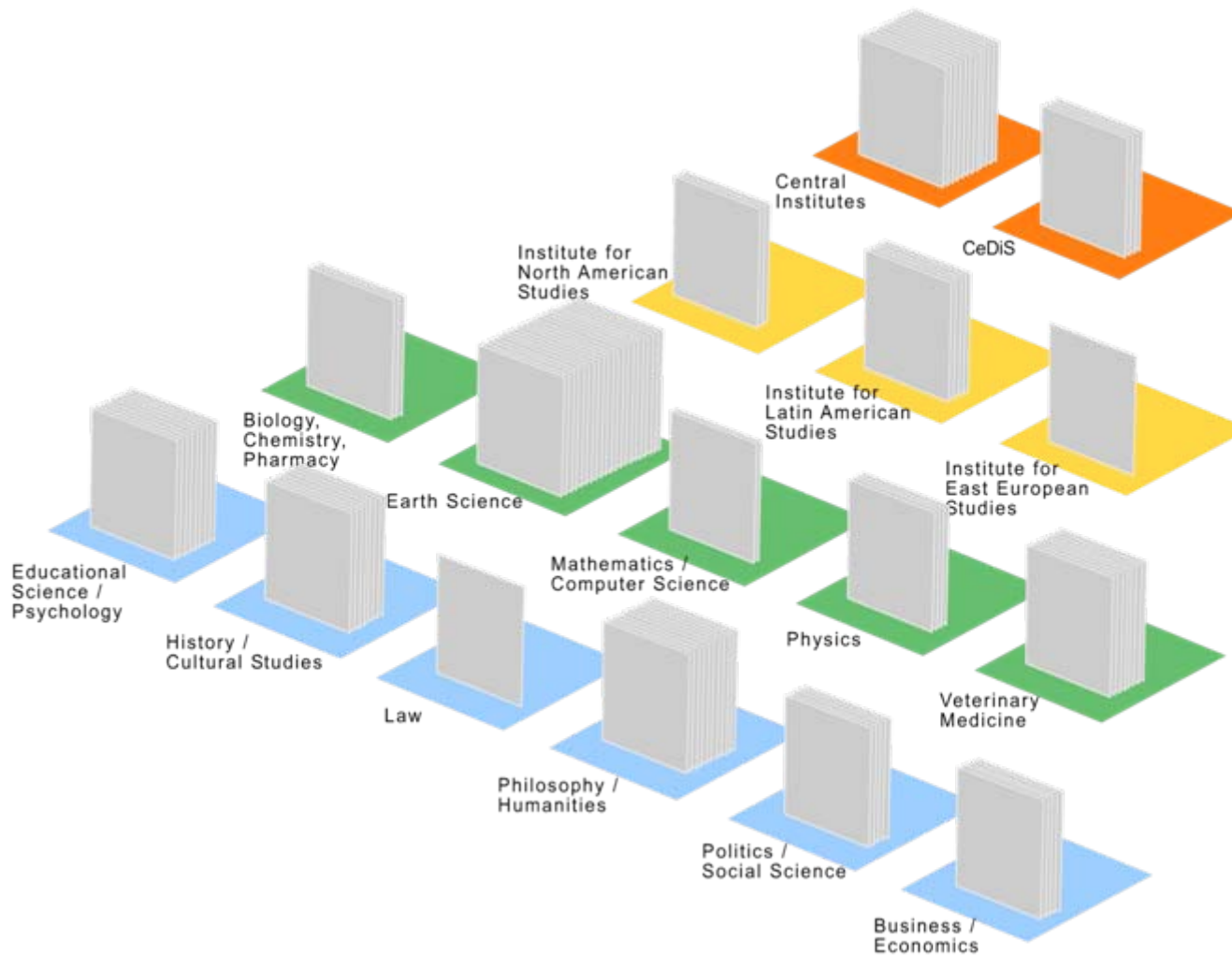
FU e-Learning Grant Program – Workflow



FU-wide e-Learning Dissemination

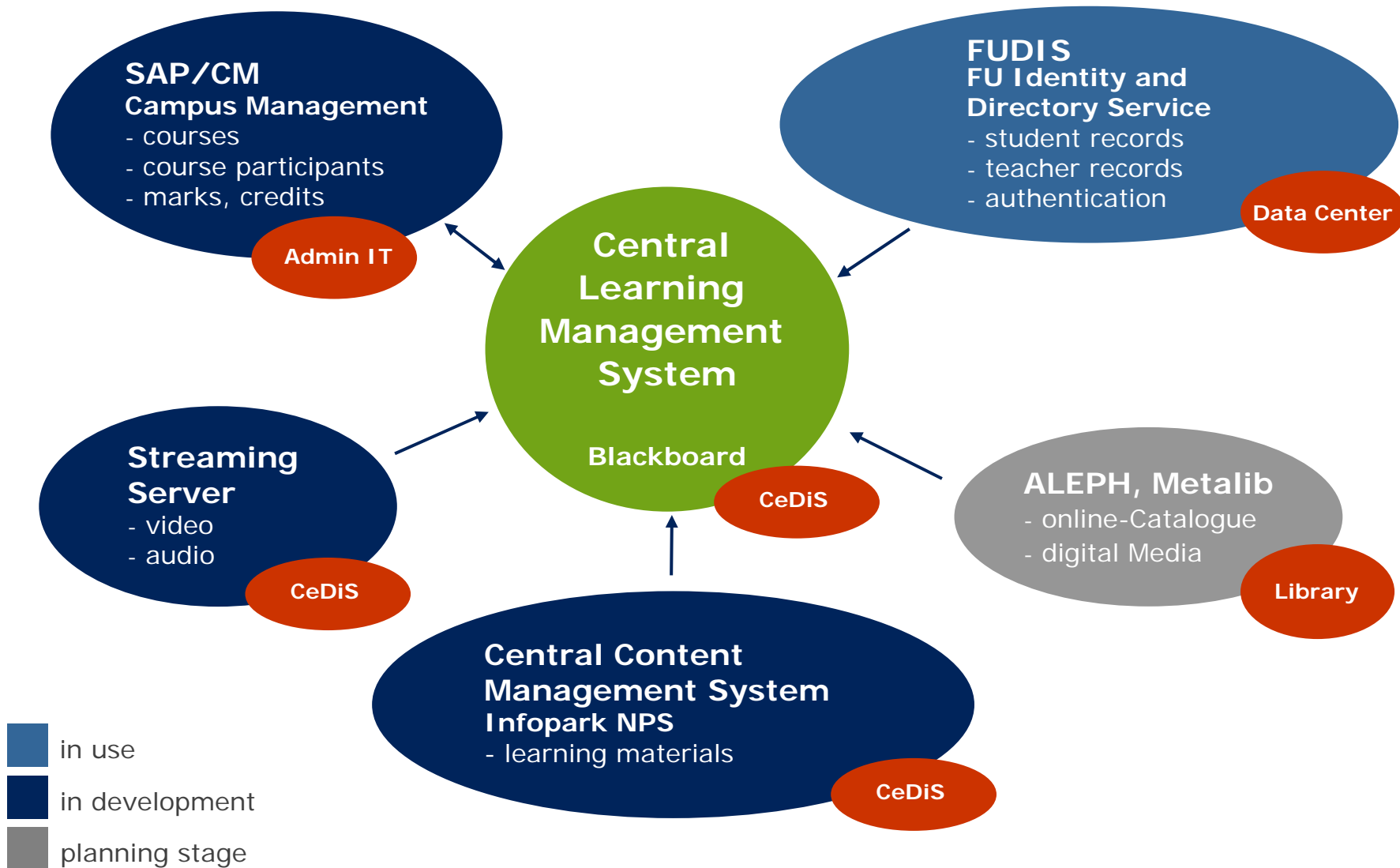


FU e-Learning Grants – Project Overview





IT-Integration



Student Portal



Personalized Information
and Services for Students

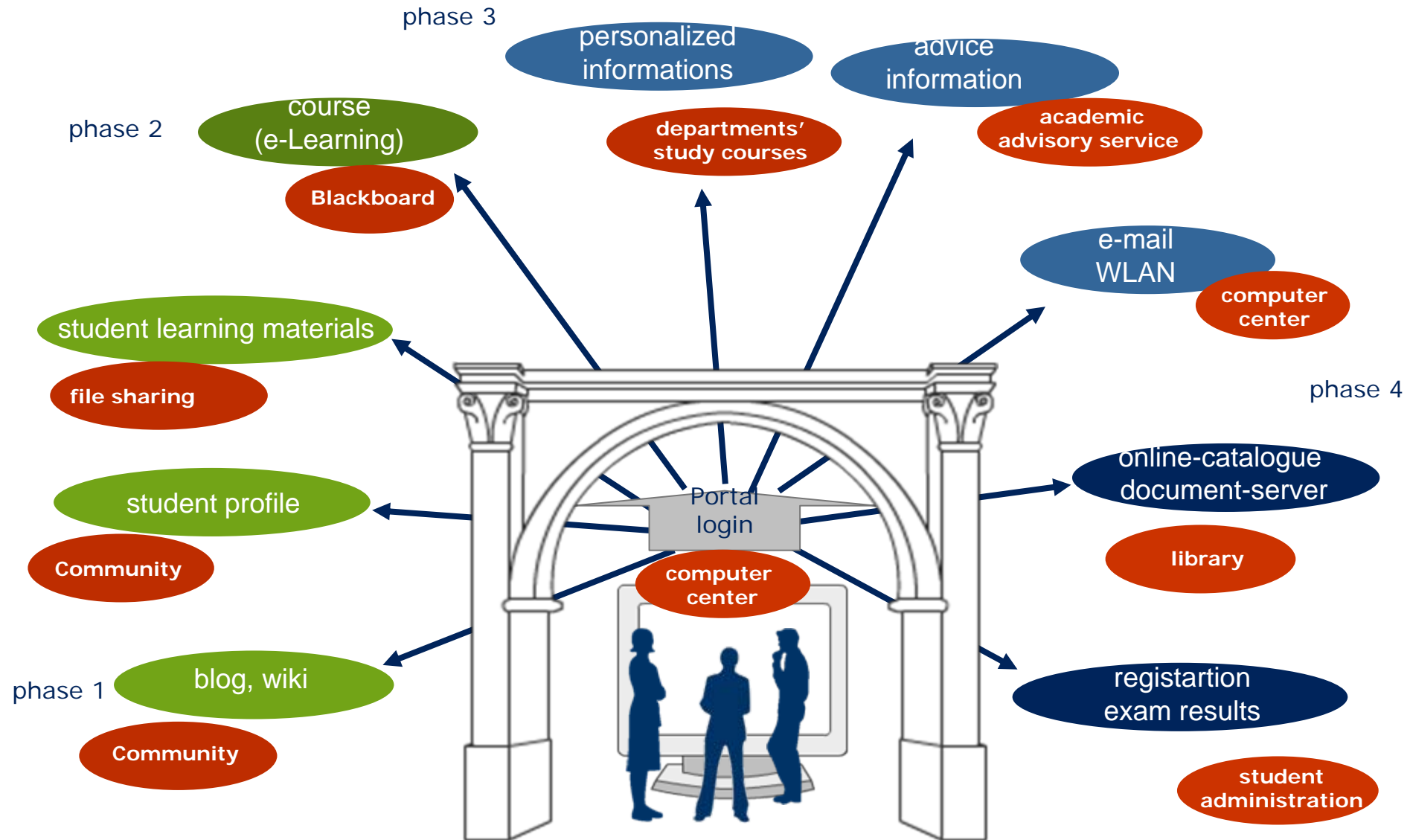


For Students...



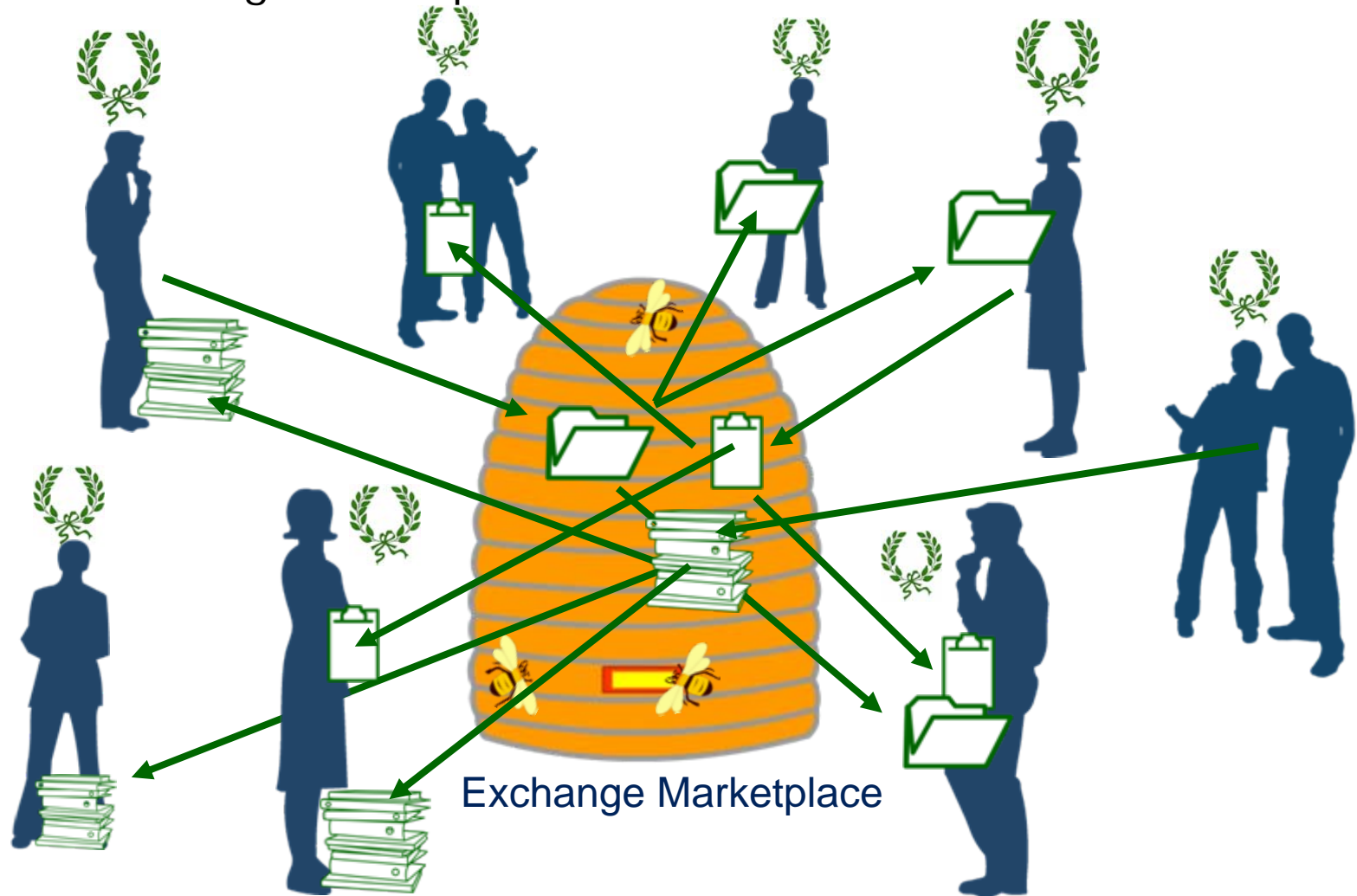


Student-Portal





Material Exchange Marketplace



Digital Technology in Education: Involve...

- ... »computer specific« features (storing, searching, calculating)
 - ... visualization techniques
 - ... media enriched contents
 - ... extensive use of tutorials & help functions
 - ... multiple navigation and tracking
 - ... instructor's »presence«
 - ... problem based approach
 - ... »real« AND virtual (i.e. hybrid) reality
 - ... extensive personalization
 - ... common sense intelligence (things that teach)?
 - ... user controlled privacy and security!
-
- ... »Create humane applications«



Training and courses by CeDiS

Trainings on E-Learning and Web 2.0 in educational contexts

university teachers
and lecturers

students at Freie
University Berlin

trainers and
teachers in other
educational
contexts

More on www.e-learning.fu-berlin.de/schulungen/

Target group: Teachers and lecturers

e-learning technologies at Freie Universität Berlin

LMS Blackboard

Web 2.0 applications

voting systems

production of e-learning material

design of e-content

authoring tools

property rights in the context of e-learning

e-learning in higher education

blended learning scenarios

integrating e-learning technologies in teaching

tele-tutoring, moderating

Course E-Teaching

TEACHING
FREIE UNIVERSITÄT BERLIN

Target group: Trainers in other educational contexts

Seminars

Introduction to e-learning for trainers

Using web 2.0 in training measures

Language teaching with forum, chat and web 2.0

Web 2.0 in professional context

Wiki and Blog – a hands on workshop

Course „e-trainer“

Train-the-trainer course on using e-Learning/web 2.0 in further education


FREIE UNIVERSITÄT BERLIN

Trainings for teachers

Workshops for young teachers

INITI@TIVE 

ESF project
„Ferien-
schule 2.0“



„Digital media in school“
for teachers in training
(course in preparation)

More information ...

CeBIT 2009:
A28/6 in Hall 6

CeBIT
**Forum Learning &
Knowledge Solutions**

Web:
www.e-learning.fu-berlin.de/schulungen/
www.cedis.fu.berlin.de



Freie Universität  Berlin

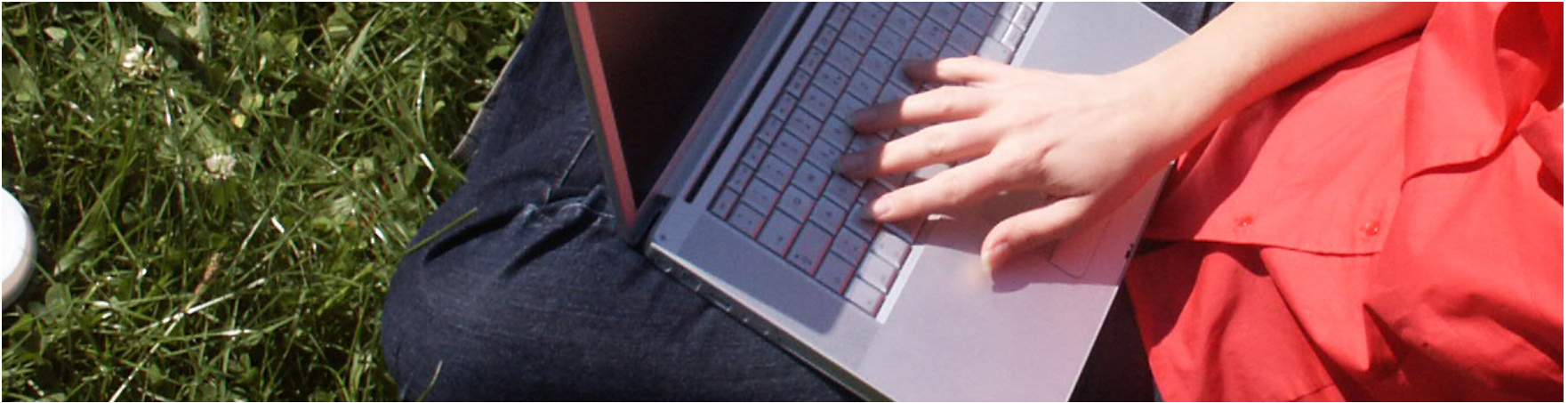
**TAGESSEMINARE ZU
E-LEARNING & WEB 2.0**

ZERTIFIKAT E-TRAINER

Center für Digitale Systeme (CeDiS)
Kompetenzzentrum e-Learning/
Multimedia

FORTBILDUNG





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