Why Slovenia? Why us?
Mass content missing mass use

Number of CC Resources (millions)

- Various isolated sites
- Various formats
- Different modalities
- Language diversity
- Unresolved rights
- Dead links
- Undescribed modes of use

Source: Hewlett Foundation
More than 500 apps on iTunes
More than 700 apps on Googleplay
More than 100 commercial systems
AI to the rescue

Teacher Human/Machine

Intelligent assistants

Learner

User modelling and assessment

Real-time personalisation

Learning channel

Information/Content

Content structuring and information understanding
Core Technologies

Deep Semantics & Reasoning (Cyc, CC)

Light-Weight Semantic Technologies (OntoGen, OntoBridge)

Decision Support (DEX, MobiS)

Social Computing/Web2.0 (LiveNetLife)

Computational Linguistics (Eventregistry, Enrycher, AnswerArt, iDiversyNews)

Complex Data Visualization (DocAtlas, NewsExplorer, SearchPoint)

Graph/Social Network Analysis (GraphGarden/SNAP, IST-World, Scienceatlas, Contextify)

Data/Web/Text/Stream-Mining (TextGarden Suite of tools)

Statistical Machine Learning
Jozef Stefan Institute
Artificial Intelligence Laboratory

Jozef Stefan Institute (JSI) is the leading Slovene research institution for natural sciences (900+ people) in the areas of computer science, physics, chemistry.

Artificial Intelligence Laboratory and Center for Knowledge Transfer has approx. 60 people working in various areas of artificial intelligence (machine learning, data mining, semantic technologies, computational linguistics, decision support), elearning, tech transfer and dissemination.

Spinoff-s: Quintelligence, Cyc-Europe, LiveNetLife, BlueEye, Global Consequences

Academic Partners: Carnegie Mellon, Cornell, Stanford, MIT, Uni. Maryland, KIT, UCL, W3C


Selection of Portals and Products:
- Text-Garden (http://www.textmining.net)
- Enrycher (http://enrycher.ijs.si/)
- VideoLectures.NET (http://videolectures.net/)
- IST-World (http://www.ist-world.org/)
- Event registry (http://eventregistry.org)
- Search-Point (http://searchpoint.ijs.si/)
- OntoGen (http://ontogen.ijs.si/)
- Document-Atlas (http://docatlas.ijs.si/)
- Qminer (http://qminer.ijs.si)

Selection of FP6 & FP7 Projects (Integrated Projects and Networks of Excellence only):
- FP7 IP ACTIVE – Enabling the Knowledge Powered Enterprise
- FP7 IP COIN – Collaboration and Interoperability for networked enterprises
- FP7 IP EURIDICE – Inter-Disciplinary Research on Intelligent Cargo for Efficient, Safe and Environment-friendly Logistics
- FP7 NoE PASCAL2 – Pattern Analysis, Statistical Modeling and Computational Learning
- FP7 NoE T4ME – Machine Translation & Multilingual Information Retrieval
- FP6 IP NeOn – Lifecycle Support for Networked Ontologies
- FP6 IP ECOLEAD – European Collaborative Networked Organizations Leadership Initiative
- FP6 IP SEKT – Semantically-Enabled Knowledge Technologies
Open Structured list of content & Formalised knowledge.
Learning resources open pipeline

Automatic ingestion, cleaning, Cross-lingual, cross-modal
Semantic processing

Resources quality processing

Didactic design and pedagogical processing

Innovation Research

http://www.ouslovenia.net
$.ajax({
type: 'get',
dataType: 'script',
cache: true,
success: function() {
setTimeout(function() {
quintTracker(3);},100);
}
});
AI: Open knowledge vs open content

OPEN SOURCE AND OPEN KNOWLEDGE AI

WEB, IoT

http://www.ouslovenia.net
EC communication titled ‘Opening up Education’ (DG EAC, Connect), Sept 2013

Slovenia – “Just the right size” country

Opening Up Slovenia
A reference country on open education
Enough about Ninja House

Can we talk about the concept ‘general photosynthesis’?

Ok

general photosynthesis: General photosynthesis requires an autotroph playing the role of “bodily doer”.

Ok

General photosynthesis requires [sort] playing the role of “bodily doer”.

I don't know Nothing else

Write here... Enough about general photosynthesis

Don: The Salvation Army is headed by John Major.
What have we achieved so far?

- First nation-wide initiative
- Strategic commitment of Slovenian government
- EC and UNESCO awareness and support
- First EOI from potential investors
- Opening up Balkans
- Normative instrument at the UNESCO level
- >30 running projects
- First policy initiatives
- Followers knocking
2nd World OER congress

OER Congress
(UNESCO and SI Government)

OER Research Conference
(K4A, EU and UNESCO OER Chairs)

OER Business Conference
(Slovenian Post and UPU)

SiRIKT Teachers Annual Conference
(MIZS Ministry)

MyMachine Global
(MMG, OUS)

iCore
(iCore)

Open Access
(MJU)

OER Barcamp

Opening Up Balkans
(MIZS, OUS)

Sunday evening

Monday

Tuesday

Wednesday
Congress follow up

• Pursuing the normative instrument – political action
• Dynamic coalition of OER-ised countries
  • Regular check-point events/conferences
• Initiating normative instrument on OER in EU
  • 12 EU countries signed and supported UNESCO instrument
A Toast

The vintage, friends, is over,
And here sweet wine makes, once again,
Sad eyes and hearts recover
Puts fire into every vein…