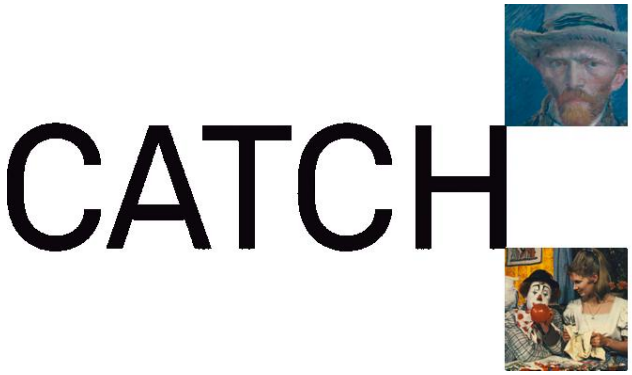

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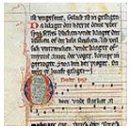

CATCHPlus

CATCH meeting AGORA, June 11th 2010

Julia Vytopil

Project office CATCHPlus

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CATCHPlus

- CATCHPlus: building on successful CATCH projects
- Valorisation of research results
- From knowledge and prototype to reliable applications

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facts & figures

- 3 year project (2009-2011)
- partners: 9 heritage institutions, 3 research institutions and ICT industry
- total costs ± 3,2 M€, financed by:
  - project partners
  - Ministry of Education, Culture and Science
  - Ministry of Economic affairs (through PRIMA measure)
  - Netherlands Organisation for Scientific Research

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Expected results

- tools for cultural heritage
- interoperability between institutions and collections
- business models for sustainable collaboration and management of products

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Crucial issues

- generic and open
- tools developed by/for heritage institutions
- tested in at least 1 other institution
- independent commission judges usability and genericity

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Business models

- Deliverable in project description
- During and after project
- Collaboration between industry and institutions
- Maintenance and management of software
- Services based on software

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Lessons learned so far

- Building on business model ideas from CATCH
- Bridging results from CATCH to plans in CATCHPlus
- ICT industry wants to be engaged

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Overview of CATCHPlus technical results

CATCH meeting Agora, June 11 2010, Julia Vytopil, Hennie Brugman

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Technical coordination connects sub projects by stimulating:

- Tools that interoperate via web services
- Exchange and accessibility of data
  - Formats: SKOS, annotation format, DublinCore
  - Access: OAI-PMH, (REST) web services, Linked Open Data → Vocabulary Repository
- Identify and develop widely usable components
  - Checkers, User Profile Repository
- Persistence of products, including references/links
  - Persistent identifiers
- Efficiency of development: bundle efforts
  - Example: Workspaces

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- Advanced
  MuSEUM
- Entity dete
  Checkers
- Automatic
  Multiply
- Toolset fo
  WITCHCR
- Searching
  SCRATCH
- Alignment
  STITCHPI
- Art Recom
  CHIP API
- Speech Recognition tools
  Spraakherkenning / Gemeentearchief Rotterdam

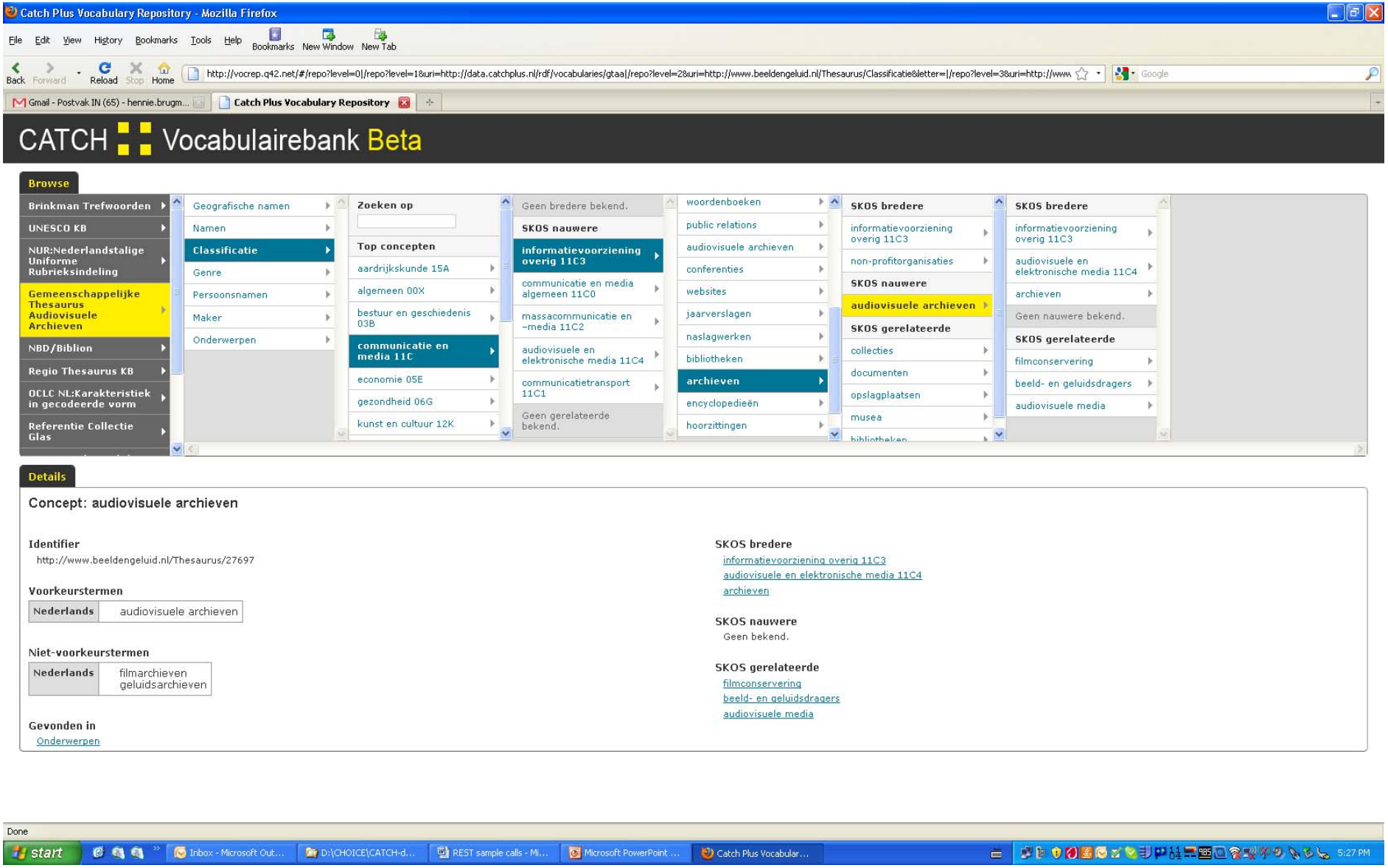
Checkers (MITCH and RICH spin offs – Naturalis, RCE)

- Detect named entities in uploaded PDF and HTML texts
- Detect potential errors in (database) table data

User Profile Repository (CHIP spin off - RMA)

- Store and share (semantic) user preferences and ratings in a central repository
- Show and provide ratings for objects on any web page
- Status: technical design is made

http://vocrep.q42.net/index.html



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Vocabulary and Alignment Repository (1)

– Products

All GTAA concepts starting with “cul”

http://catchplus.tuxic.nl:18080/vas/api/find/concept?format=xml&query=^cul&match_kind=regex&limit=100&format=xml&cs=http%3A%2F%2Fwww.beeldengeluid.nl%2FThesaurus%2FOnderwerpen&sort=match_label&match_language=nl

- GUI – generic thesaurus browsing and searching web application

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Vocabulary and Alignment Repository (2)

- Applications
  - Primarily for CATCHPlus sub projects
  - Beeld en Geluid and National Archive collaboration
    - Pictura uses the API from their Memorix software
  - Interest expressed by CLARIN-NL, Werkgroep Erfgoedthesauri, RKD, Adlib etc.

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Vocabulary and Alignment Repository (3)

- Future
  - Distributed operation
  - “live” connection to thesaurus source databases
  - Link to DEN thesaurus overview, both ways

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Persistent identifiers (1)

– Products

- Requirements analysis and technology overview (see www.catchplus.nl)
- Basic choice: Handle technology
- Implementation:
  - One “Local Handle System” per participating organisation → you own your own ‘domain’
  - REST web service for identifier management
    - » From context of collection management system
    - » From context of metadata publishing

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Persistent identifiers (2)

- Pilot projects/applications
  - Beeld en Geluid
  - Interested: Naturalis, RCE
  - National Archive uses Handles for NA4All
- Organisational
  - EPIC consortium (SARA, MPG/GWDG, CSC) provides sustainable hosting and services

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Metadata standards and harvesting

- Support introduction of OAI-PMH “data providers” for standardised publication of metadata for harvesting
  - DublinCore
  - Qualified DublinCore
  - Proprietary formats
- Beeld en Geluid, KB, RMA, Naturalis
- First application: Nederlands Erfgoed: Digitaal!
  - Harvests to central index

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Workspaces and annotations

- Workspaces
  - Shared solution for login, uploading resources, add metadata, bundle resources
  - This functionality is part of most CATCHPlus sub projects
  - Search, browse, annotate
  - Launch web services on workspace content
  - Possibly collaboration with BigGrid, CLARIN-NL and LifeWatch
- Annotations:
  - Exchange format
  - Repository for storing, searching and browsing annotations

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Conclusions

- Vocabulary Repository and Persistent Identifier services are working and attracting substantial interest
- Common services can save sub projects (and others) work
- Common services stimulate standardisation and integration
- Common services contribute to digital cultural heritage infrastructure
- One year on the way: conditions not always easy, but products are showing up

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Thank you. Questions?

For more information:

www.catchplus.nl

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