



Digitization of cultural heritage from European perspective

Europeana, CASPAR, Custodea

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Europeana



- Europeana (successor to EDLNet) - European digital library, archive and museum.
- eContentplus
 - “the European Digital Library”
 - “catalyze and stimulate work of the national libraries.”
- Europeana will work mainly with aggregators of content – national & domain.



Europeana (cont)

- Open Source community via platforms (EuropeanaLabs and Open Europeana)
 - by recording, storing and sharing documentation and source code.



Europeana – Content Strategy

- "from individual organizations to aggregators"
- collaboration between all Europeana-related projects
- Content Acquisition Plan (high, medium, low priority countries)
- development of relevant themes of content



Europeana – Future Plans

- The Rhine release, > 10 million records
- Improved metadata (semantics! from ESE to EDM)
- Source code for most elements of Europeana
- An API [Application Programming Interface] that partners can use (content integration!)
- Data license agreement, The Europeana Public Domain Charter, Europeana Policy on User Generated Content...



CASPAR



- Need for preservation of digital assets
 - fragility of digital data as a challenge
- Open Archival Information System (OAIS) Reference Model as the guiding principle
 - terminology, the functional model and the information model



CASPAR Architecture Principles

- a clear definitions of the interfaces involved (enables various implementations)
- loose-coupling of components (flexibility of deployment)
- no central point of failure (long term preservation)
- domain independent - testbed domains: cultural heritage, contemporary arts data, scientific data

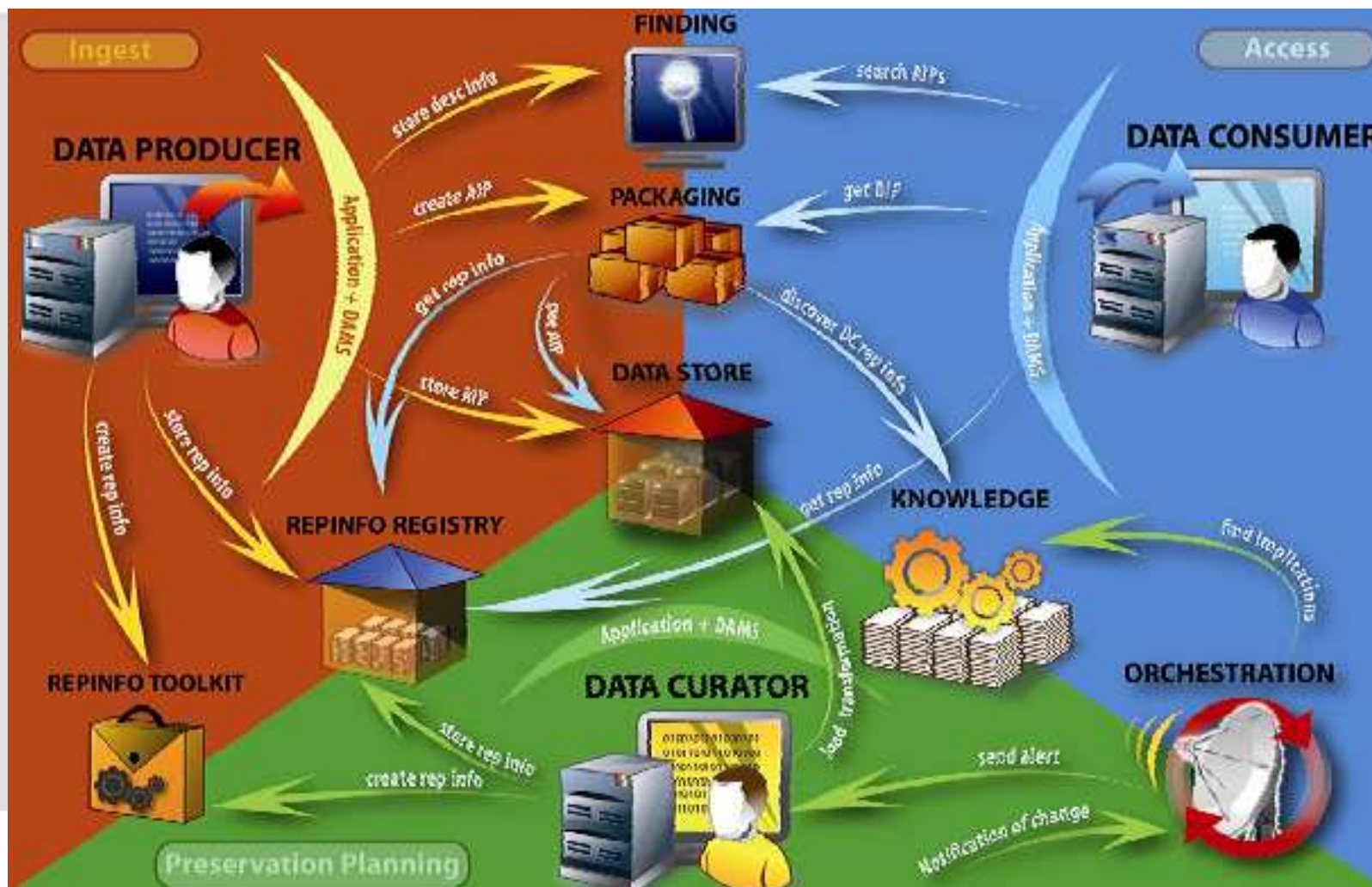


CASPAR – Areas Covered

- Methodology
- Research and technological solutions
- Existing standards



CASPAR – Big Picture





CASPAR – Methodology

- **technology-neutral**
- distributed, asynchronous, **loosely coupled architecture** and each key component is self-contained and portable
- domain independent
- preserves knowledge and intelligibility,
- **integrity and identity**



What Is Custodea

CUSTODEA

- ...to provide efficient solutions
- for cultural sector
- based on open source components.

custodea.com



Custodea Principles

- closely cooperate with Europeana project
 - Europeana Local
- based on principles set out in the CASPAR project
 - terminology, standards, functional & information model compatibility
- open source
 - EuropeanaLabs, delving

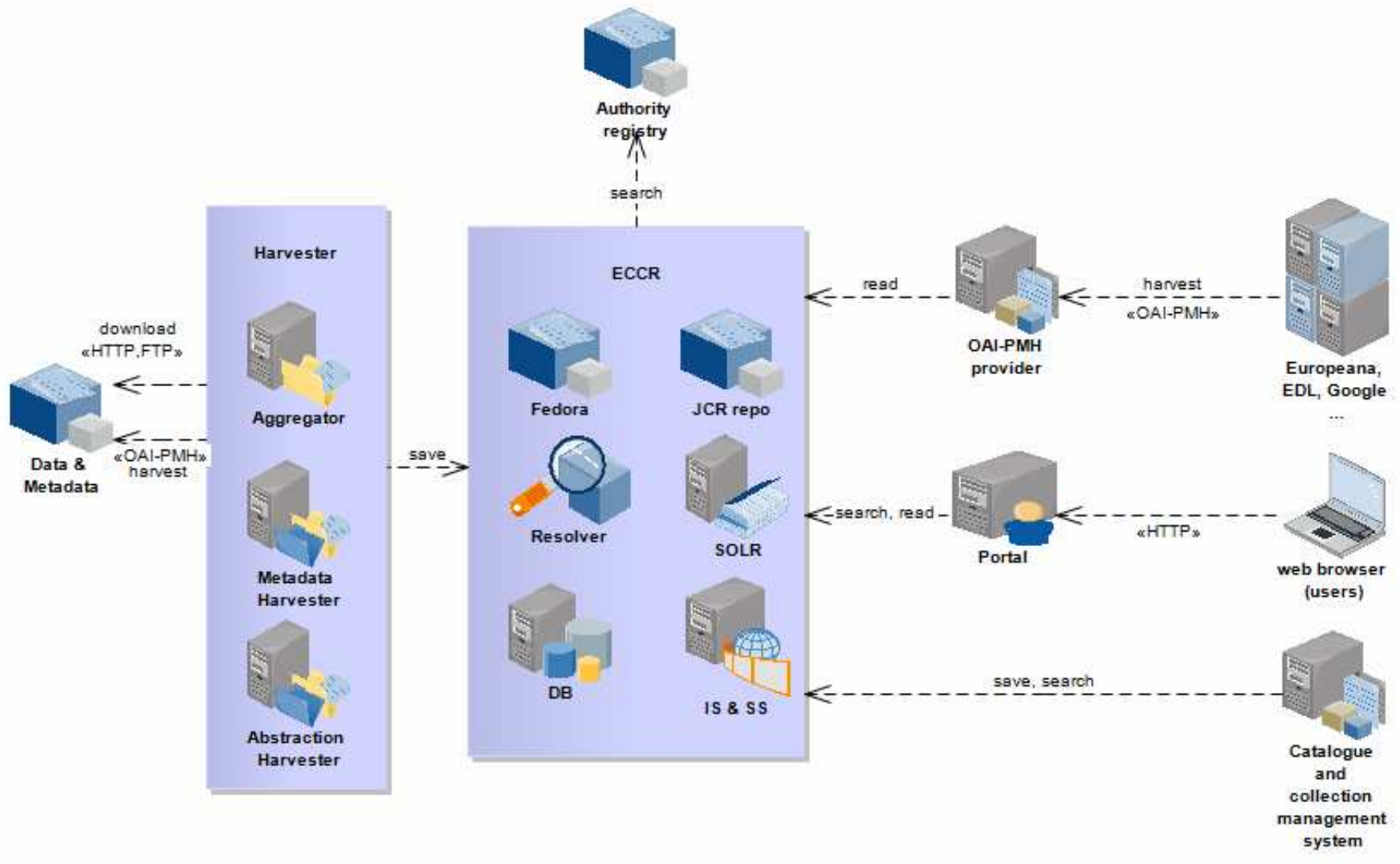


What Custodea Covers

- harvesting of digital content
- data transformation, conversion, mapping, etc
- data and metadata search
- dealing with authority vocabularies, vocabulary management,
- data provisioning (for Europeana as an example)
- presentation



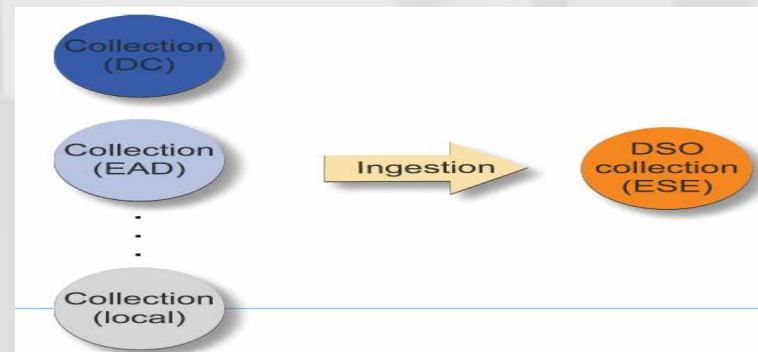
Big Picture





Custodea Components

- ECCR (Enterprise Cultural Content Repository)
- OAI-PMH provider
 - ECCR: JCR, Fedora
- Harvester
 - data & metadata, aggregation





Custodea Components (cont)

- Collection management system
 - data management,
 - metadata authoring

The screenshot displays two windows from the Custodea software. The main window, titled 'Vytvorenie nového záznamu', is used for creating new records. It features a 'Autor & Názov' section with fields for 'Autor' (Benka, Martin (Autor)), 'Názov (originál)' (hrabačky), 'Inv. číslo' (1234), 'Prírest. číslo' (4321), and 'Stav' (Dielo katalogizované). Below this is a tabbed interface with 'Základné informácie' selected, containing fields for 'Organizácia' (SNG - Slovenská národná galéria), 'Kurátor' (stanikova, adriana), 'Výtvarný druh' (grafika, úžitková), 'Žáner' (dedinský motív), 'Datovanie' (1920), 'Kategória' (I.), 'Materiál' (plátno), 'Technika' (akryl), 'Rozmery' (výška 50.0cm x šírka 40.0cm), 'Značenie' (v'avo dolu: podpis autora), 'Pôvodnosť' (faksimile), 'Spracovanie' (DEF), and 'Integrácia' (iné). A 'Primárny obrázok' (Primary image) field on the right contains a small image of a landscape. The bottom of the window has buttons for 'Uložiť', 'Help', 'Zavrieť', and 'Karta'.

The 'Správa autorov' (Author management) window is overlaid on the bottom left. It has a search section with 'Vyhľadávacie kritéria' and fields for 'Kód autoritného záznamu', 'Meno' (ben*), 'Popis', and 'Typ záznamu'. Below is a table of authors:

Meno	Stredné
Igor	
Július	Bencúr
Vojtech	Bencúr
Jozef	Bendík
Marie	Bendová

The bottom of the screenshot shows a standard Windows taskbar with icons for 'Hľadať', 'Pozrieť', 'Nový', 'Editovať', 'Vymazať', 'Tlačiť', 'Help', 'Zavrieť', and 'Kópia'.



Custodea Components (cont)

- Presentation
 - browsing,
 - searching,
 - views
 - table,
 - (geo)map,
 - timeline,
 - thumbnail
 - detail
 - graph

Výsledky vyhľadávania

Nájdenných: 9 Zobrazených: 9 Všetkých: 1578682 (triedenie: Názov, vzostupne)

Názov	Autor	Typ záznamu	Typ diela	Datovanie	Zdroj
Aerokluby - Odkazy I	Kalman, Peter	dielo, fyzický umelý výtvor	maliarstvo	1977	sng
Bohuslav Martinů	Renner, Káľman	dielo, fyzický umelý výtvor			sng
Chleboďárne pole	Kalman, Peter	dielo, fyzický umelý výtvor	úžitkové umenie, textil, tapiséria, gobelín	1974	sng

Josef Holub

Pod Bobotami

Rozlety

Veľký Rozsutec

Vodné športy III

Štart - Biele športy

Výsledky vyhľadávania

Nájdenných: 49 Zobrazených: 48 Všetkých: 1680780 (triedenie: <Žiadne>, vzostupne)

Zátišie s lampou

Autor	Hložník, Vincent
Typ diela	maliarstvo, obraz závesný
Datovanie	1947
Zdroj	sng

Výsledky vyhľadávania

Nájdenných: 9

[Aerokluby - Od](#)

Autor	
Typ záznamu	dielo, fyzický umelý výtvor
Typ diela	maliarstvo
Datovanie	1977
Technika	kombinovaná technika
Zdroj	sng
Pôvodný kontext	http://cedvu.eea.sk:8080/fedora/get/SVK:SNG.O_5893

[Bohuslav Martinů](#) [SVK:SNG.P_2410](#)

Autor	Renner, Káľman
Typ záznamu	dielo, fyzický umelý výtvor
Technika	razenie
Zdroj	sng
Poznámka	OAI_DC

[Chleboďárne pole](#) [SVK:SNG.UP-I_127](#)

Autor	Kalman, Peter
Typ záznamu	dielo, fyzický umelý výtvor
Typ diela	úžitkové umenie, textil, tapiséria, gobelín





Custodea - References

- CEDVU
 - Collection Management System, OAI-PMH Provider
- CEDVU WEB
 - Community Portal, ECCR
- Slovakiana
 - Harvester, Portal, ECCR
- Custodea4ESE
 - Harvester, OAI-PMH Provider, Browser, ECCR



Thank you!

