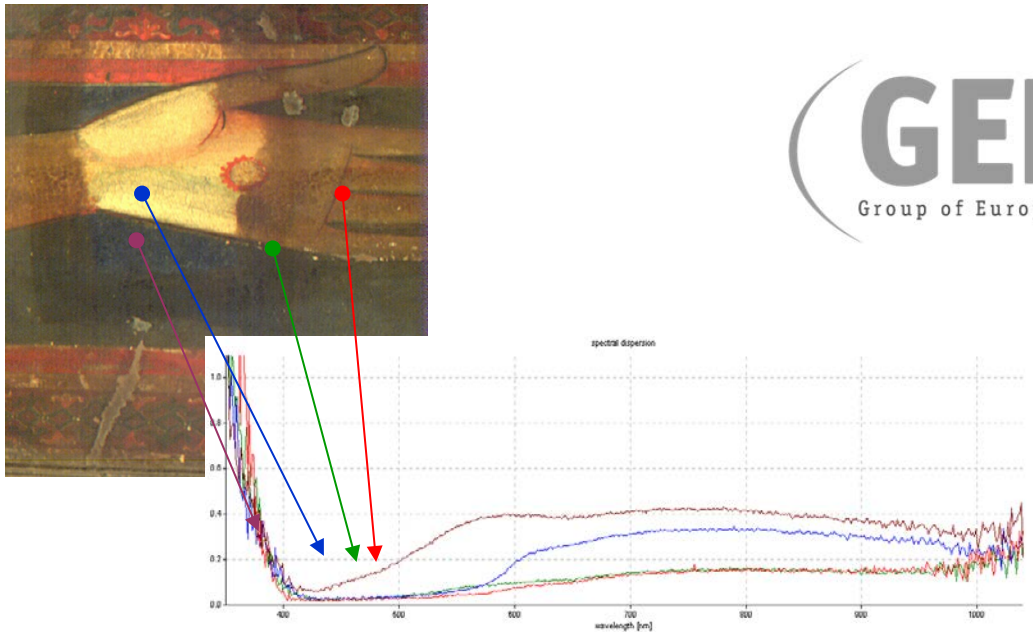
E-RIHS
EUROPEAN RESEARCH INFRASTRUCTURE FOR HERITAGE SCIENCE

E-IRG Workshop
Bratislava, 2016 November 15th - 16th



GEDE RDA RESEARCH DATA ALLIANCE
Group of European Data Experts in RDA

GEDE from Heritage Science

Luca Pezzati


E-RIHS
EUROPEAN RESEARCH INFRASTRUCTURE
FOR HERITAGE SCIENCE

E-RIHS

EUROPEAN RESEARCH INFRASTRUCTURE FOR HERITAGE SCIENCE

distributed research infrastructure for heritage interpretation, preservation, documentation and management

a cross-disciplinary collection of advanced tools and services serving a cross-disciplinary community of researchers

MOLAB
Mobile laboratory for in-situ diagnostics

FIXLAB
Access to large-scale facilities

ARCHLAB
Scientific archives for heritage science

DIGILAB
Digital scientific datasets for heritage science

Coordinating Country
Italy

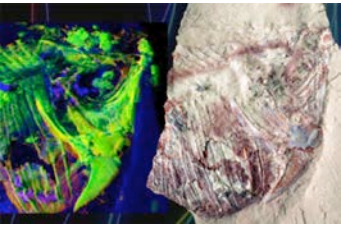
11 Member Countries
Belgium
Cyprus
Czech Republic
France
Germany
Greece
Hungary
Portugal
Spain
The Netherlands
United Kingdom

8 Participating Countries
Brazil
Bulgaria
Denmark
Ireland
Israel
Poland
Slovenia
Sweden

2016-2019
preparatory phase

2021-2025
implementation phase

www.e-rihs.eu



Heritage Science

- heritage science is science for access to cultural heritage and for its preservation, documentation, interpretation and management
- heritage science is founded on the interdisciplinary combination of knowledge
  - from arts and humanities (conservation, archaeology, history, art history, architecture, ethics, …)

  and
  - from science and technology (chemistry, physics, mathematics, biology, anthropology, palaeonthology, earth sciences, computer sciences, engineering, …).

E-RIHS

- a distributed research infrastructure for heritage interpretation, preservation, documentation and management
- a cross-disciplinary collection of advanced tools and services for advancing understanding and preservation of global cultural and natural heritage
- serving a cross-disciplinary community of researchers in heritage science
- fostering alignment of diagnostic methodologies and practices
- establishing a common data infrastructure for scientific digital heritage

E-RIHS place in the EU landscape of SCI RIs

Cluster:

PARTHENOS

Pooling Activities, Resources and Tools for Heritage E-research Networking, Optimization and Synergies

ERICs:

DARIAH-ERIC

CLARIN

ESFRI projects:

E-RIHS

EUROPEAN RESEARCH INFRASTRUCTURE FOR HERITAGE SCIENCE

E-RIHS originates from two integrating activities:

ARIADNE

IPERION CH

Pan-European dimension of the E-RIHS

E-RIHS PP Partner Countries

Italy (coordinating)
Belgium
Cyprus
Czech Republic
France
Germany
Greece
Hungary
Ireland
Israel
Poland
Portugal
Slovenia
Spain
The Netherlands
United Kingdom

Participating Countries

Austria
Brazil
Denmark
Romania
Sweden

Contacts with institutes in:

Australia
Bulgaria
Canada
Cap Vert
China
Egypt
India
Lithuania
Mexico
Taiwan
USA

E-RIHS timeline

2016

- September 23rd: E-RIHS PP approved

Jan. 2017 - Dec. 2019

- three-year preparatory phase under E-RIHS PP

2019/20

- submission of the proposal to establish **E-RIHS** to the EC

2021-2025

- **E-RIHS** implementation phase

E-RIHS access

MOLAB

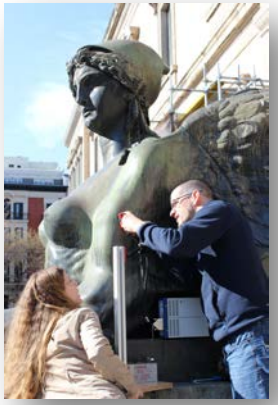
FIXLAB

ARCHLAB

DIGILAB

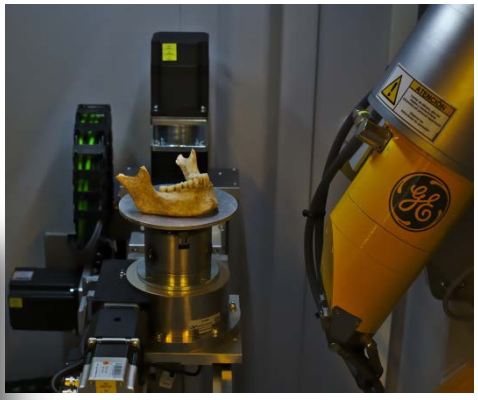
MOLAB

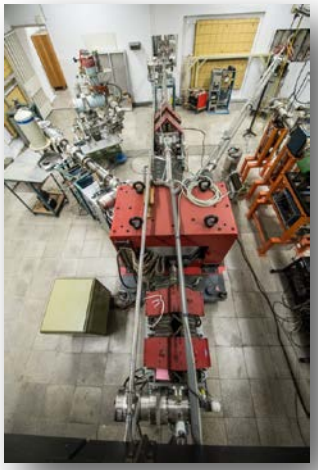
E-RIHS mobile laboratory for *in-situ* diagnostics

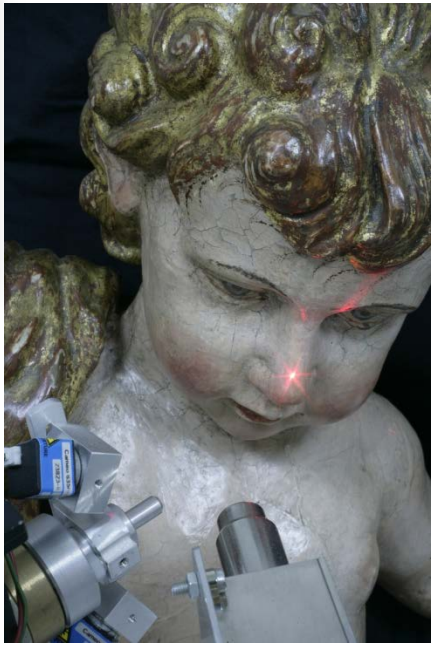


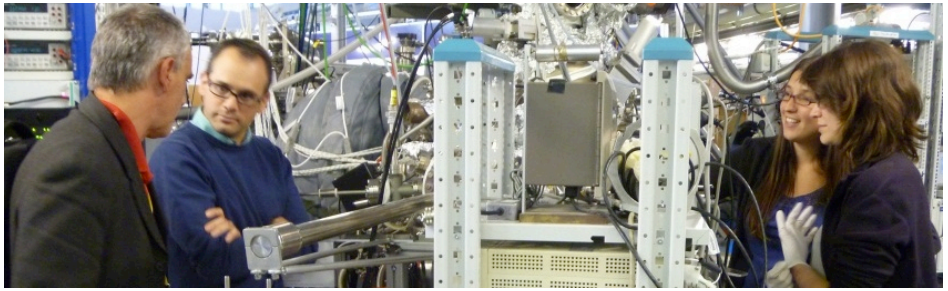
FIXLAB

E-RIHS access to LS and laboratory facilities



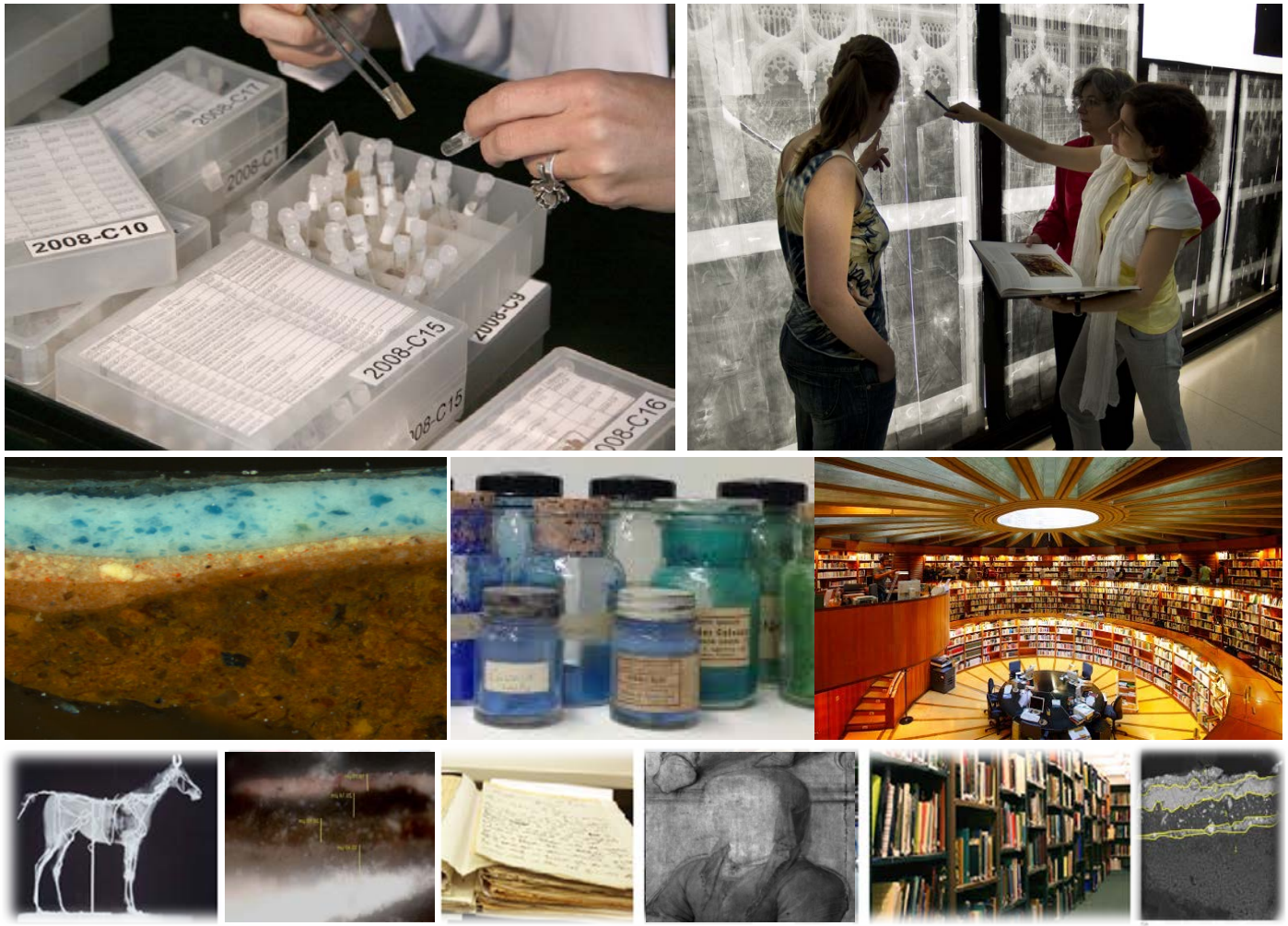






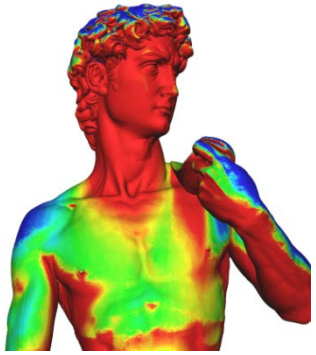
ARCHLAB

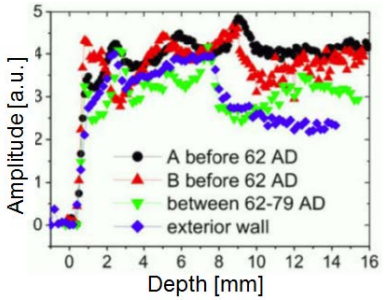
E-RIHS scientific archives for heritage science

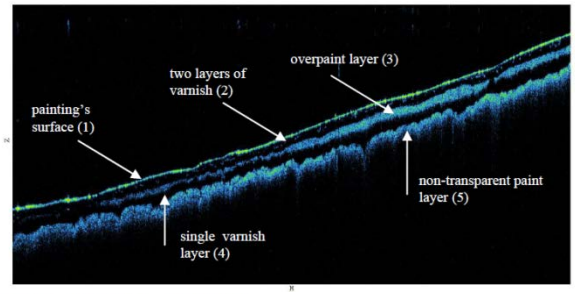


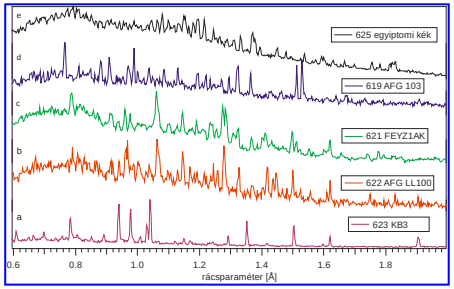
DIGILAB

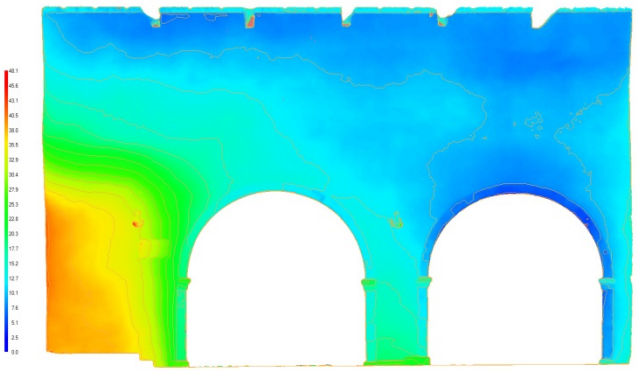
E-RIHS digital scientific datasets for heritage science

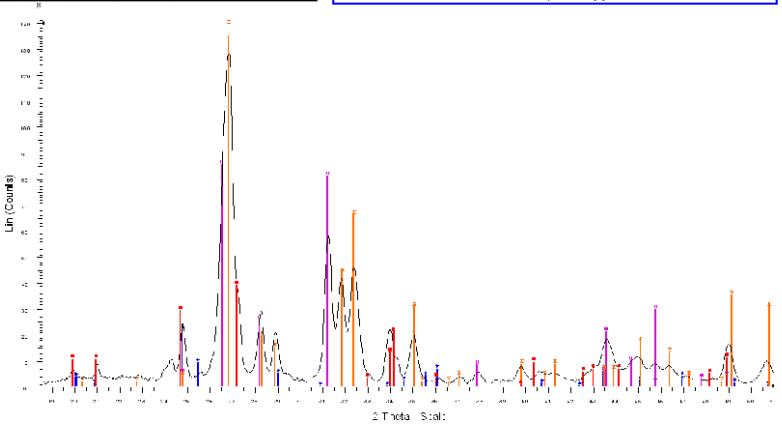












digital data and the **E-RIHS** community

Strenghts

- very wide pan-European network
- impact of scientific datasets

Weaknesses

- users/providers have low digital skills
- high fragmentation (bordering chaos…)

Opportunities

- starting from a grass-roots situation
- effective ways to standardization

Threats

- heritage data: many obstacles to real accessibility
- traditionally low investments (excluding digitization?)

IPERION CH

WP 8 – JRA3 – Developing of digital documentation and data

WP Leader: Joseph Padfield, NG

IPERION CH – WP8

T8.1

Practical solutions to digital documentation

NG, Joseph Padfield

M1 to M48

T8.2

Data mapping, semantics and data visualization

INRIA, Laurent Romary

M7 to M36

T8.3

Storing and organizing scientific data

KIK-IRPA, Wim Fremout

M4 to M48

T8.4

Sharing in practice: developing research-led digital resources from existing archives/data

NG, Marika Spring

M9 to M48

E-RIHS
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E-RIHS PP

WP 5 – Access and Interoperability Policies

WP Leader: Franco Niccolucci, PIN

ESFRI

E-RIHS PP – WP5

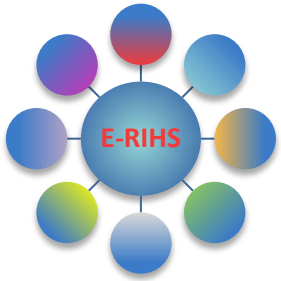
T5.1
User strategy and access policies
C2RMF
M1-M24

T5.2
Complementarity and integration of E-RIHS
UCL(NG)
M1-M36

T5.3
Standardization and interoperability
DAI
M1-M36

T5.4
Data curation
UCL(ADS)
M1-M36

T5.5
Synergies with RDA, EOSC and e-infrastructures
PIN
M1-M36



GEDE and E-RIHS

Opportunities

- for HS to join the discussion on common solutions
- helps HS to single out best practices and solutions and to adopt them
- helps HS to connect to e-infrastructures services
- gives visibility to and allows the sharing of critical issues in HS data management (e.g. long-term preservation)

Expected outcomes for HS community

- speeding up the process towards digital literacy in HS
- better integration of HS in the “digital ecosystem”

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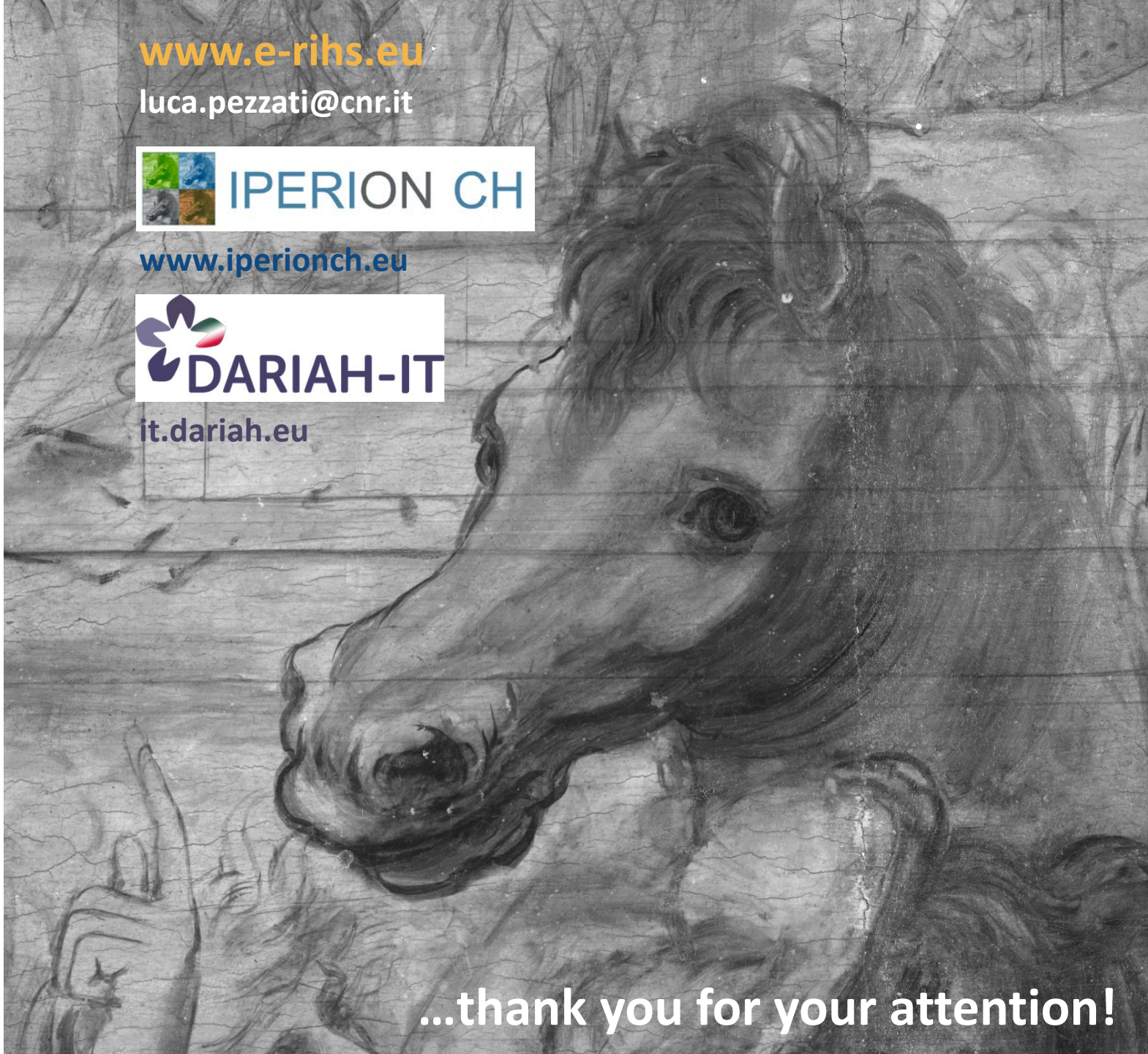
IPERION CH

www.iperionch.eu

DARIAH-IT

it.dariah.eu



...thank you for your attention!