Donatella Castelli

**Consiglio Nazionale delle Ricerche
ISTI**

OpenAIRE and the network of the European research repositories
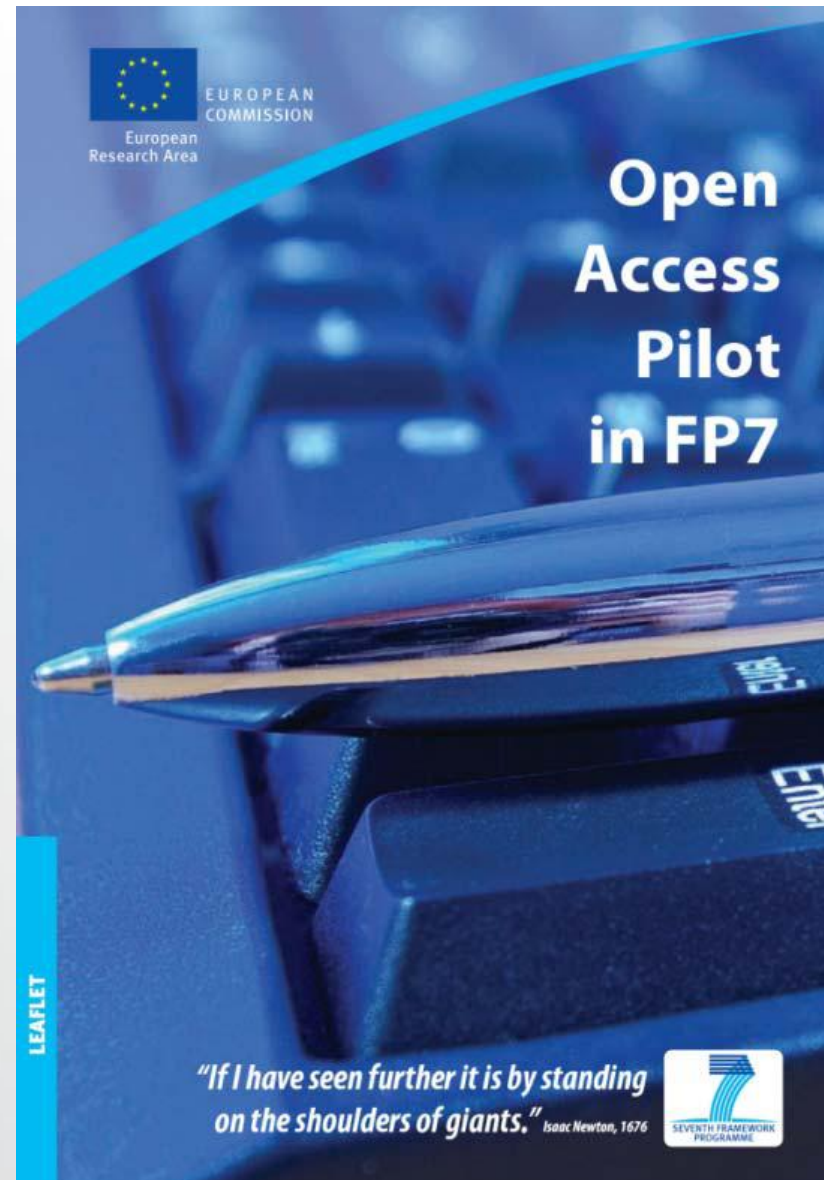
OpenAIRE

OpenAIRE

OPEN ACCESS INFRASTRUCTURE FOR RESEARCH IN EUROPE

OA EU Pilot Mandate

FP7 OA Pilot (2008)

- **Grant agreement SC39**

- **20% programme areas**

- **Deposit in Repositories**

- **OA after embargo period (6-12 months)**

- **Gold payments during project**

"Widest possible dissemination and access to research outputs through the creation and operation of an Open Access Infrastructure for Research in Europe"

OpenAIRE

Open Access Infrastructure for Research in Europe

2009
–
2012

Infrastructure for facilitating the deposition, identification, access, and monitoring of FP7 and ERC funded articles, and compliance to OA mandates

Point of reference for Open Access in Europe

OpenAIREPlus

Open Access Infrastructure for Research in Europe

2011 – 2014

Infrastructure for the identification, deposition, access, <u>linking</u> and monitoring of FP7, ERC, and <u>other organizations</u> funded <u>outcomes and resources</u>

Infrastructure

"Human Network"

"e-Infrastructure"

Participatory Approach

What is OpenAIRE today

1 SUPPORT
Helpdesk. Engaging people and scientific repositories in 27 EU member states and beyond

2 PORTAL
24 x 7 Service. Access to Research records. Linking publications to datasets, author information and above all, funding information

3 ZENODO
Repository for data and articles that can be stored neither in institutional nor in subject-based/thematic repositories

Supporting OA in Europe

OpenAIRE

OpenAIREplus Networking Organization					
Operational Support (eIFL)	Strategic Coordination (UGOE)				Helpdesk Management (UMINHO)

Region 1 North (DTU)	Region 2 South (UMINHO)	Region 3 East (eIFL)	Region 4 West (UGENT)
Denmark	Cyprus	Bulgaria	Austria
Finland	Greece	Croatia	Belgium
Iceland	Italy	Czech Republic	France
Norway	Malta	Estonia	Germany
Sweden	Portugal	Hungary	Ireland
	Spain	Latvia	Luxemburg
	Turkey	Lithuania	Netherlands
		Poland	Switzerland
		Romania	UK
		Slovakia	
		Slovenia	

OpenAIRE representing all Member States

- **32 National Open Access Desks**
  - Involving research libraries, and diverse national research organizations

- **OA advocacy through targeted activities**
  - Liaison with National Reference Points
  - Helpdesk, workshops, training

- **Harmonisation of OA policies**

- **Definition of shared guidelines**

Deposit Publications & data

Visualize - Manage Enhanced Publications

Search & Browse

Curate & collaborate

Research impact Citations, usage statistics

+++

Linked Content Statistics

+++

OpenAIRE

Get support (NOADs)

help desk

Guidelines for use services

Mine for other info

Mine for project

Datasets	Authors
Publications	Data Providers
Projects	Organizations

APIs
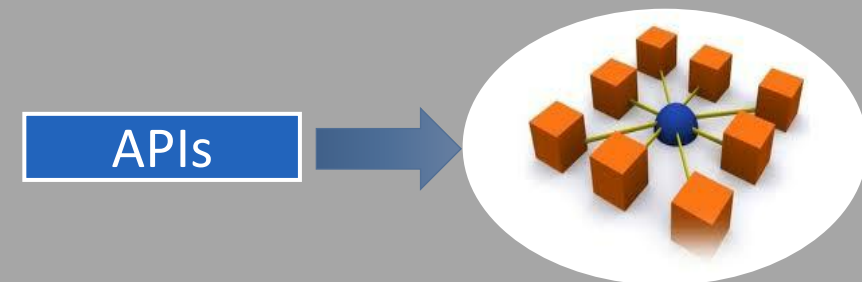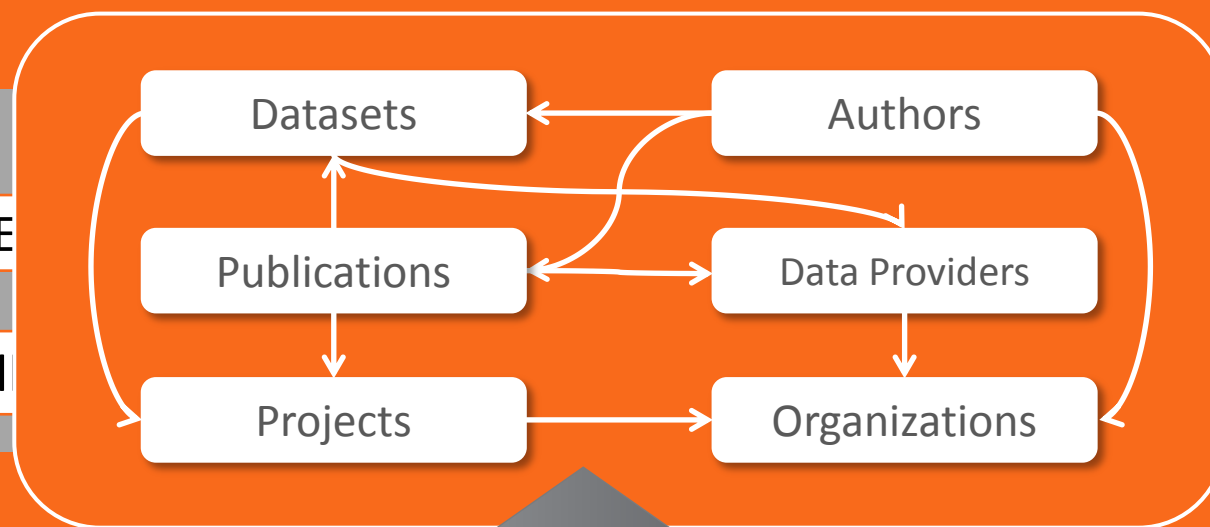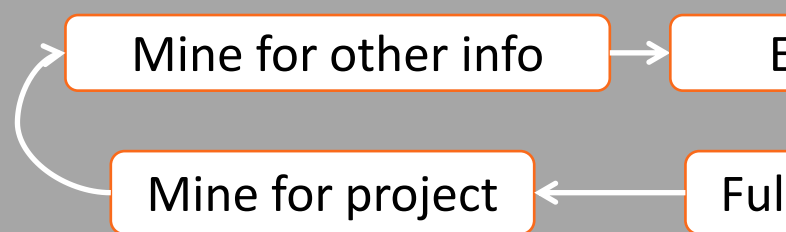
Guidelines for data interoperability

Metadata And pdfs

Usage data

Metadata on data

Institutional CRIS Systems

EC funding

National funding

Publication repositories
Institutional & Thematic
Open Access Journals

zenodo

ResearchID
OpenDOAR

CERN/OpenAIRE "catch-all" repository

Data repositories
Data Journals

Datasets

Datasets include:

- Digital collection belonging to museum, libraries and archives;

- 3D models, and replicas;

- resources;

- Scientific data produced through chemical, physical, and sectorial analyses; and

- and documents produced during archeological and conservation restoration activities

Research Infrastructures and e-Infrastructures for Cultural Heritage Vision document

OpenAIRE Services

OpenAIRE

PARTICIPATE
DEPOSIT, JOIN

SEARCH
PUBLICATIONS, DATA, PROJECTS

STATISTICS
OA, PROJECTS, TOPICS

SUPPORT
FAQ, HELPDESK, GUIDES

OPEN ACCESS
IN EUROPE

NEWSLETTER | LOG IN | REGISTER

Repositories ▾ [   ] 🔍

More search options

Researchers
- Deposit publications & data
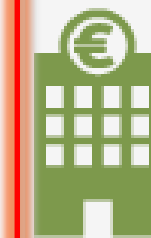- Link research to funder/project
- Download author's guide for OA

Data Providers
- Register & validate content
- Get guidelines for interoperability
- Enrich repository content

Research Managers
- Learn about EC & national policies
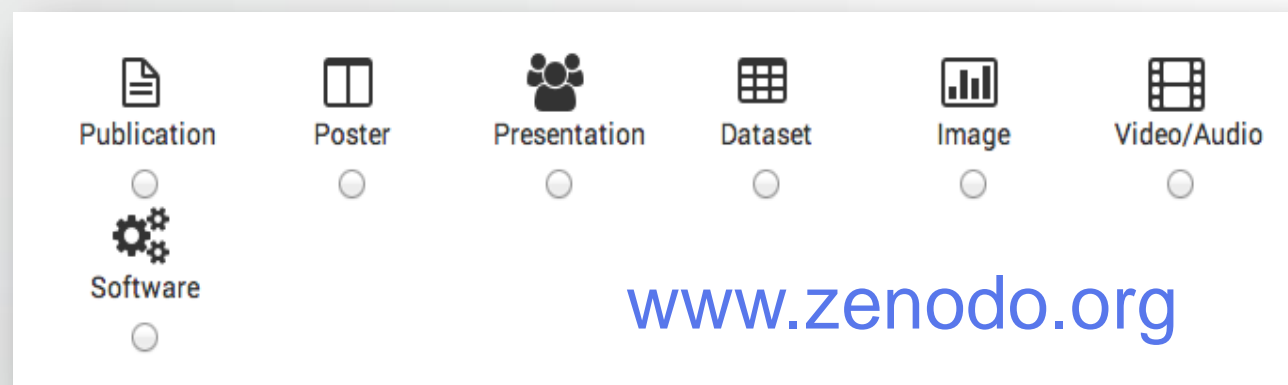- Create project reports
- Get statistical information

Funding Agencies
- Learn how to embrace OA
- Participate in OpenAIRE
- Find aggregated statistics

Zenodo

"Catch-all" repository: OpenAIRE-CERN joint effort

- **Multiple data types**
  - **Publications**
  - **Long tail of research data**
- **Citable data (DOI)**
- **Links to funding, pubs, data, software**

| Publication | Poster | Presentation | Dataset | Image | Video/Audio |

Software

www.zenodo.org

API — **INTEGRATE YOUR APP VIA PROGRAMMABLE API.**

COMMUNITIES — **YOUR DIGITAL REPOSITORY ON ZENODO.**

FUNDING — **INTEGRATE INTO REPORTING FOR RESEARCH FUNDED BY EUROPEAN COMMISSION.**

FLEXIBLE LICENSING — **NOT EVERYTHING IS UNDER CREATIVE COMMONS.**

H2020: Option to gather, preserve and share your project's scientific output

Some numbers (November 2014)

8.4M publications

7M authors

450+ data providers

Linked to 90K projects from

2 funders (EC and Wellcome Trust)

Linked to 7000 datasets

33K organizations

Horizon2020:
EC OA Mandate Progressions

"Open access can be defined as the practice of providing

on-line access to scientific information that is free of

charge to the end-user and that is re-usable. In the

context of research and innovation, 'scientific

information' can refer to

(i) **peer-reviewed scientific research articles**

(published in scholarly journals) or

(ii) **research data** (data underlying publications,

curated data and/or raw data)"

OpenAIRE2020

- **Build a pan-European Research Information Management System**
  - Monitor OA research outcomes from the EC and other national funders

- **Support institutions, PO's, PC's in their RDM activities**
  - Promote good practices through DMP tools and educate NOAD's on Gold OA

- **Measuring impact**
  - Multidimensional indicators of scholarly performance based on data retrieved by the OpenAIRE platform
  - Indicators for second level impact that link OA to social, cultural and economic impact

D-Net enabling system
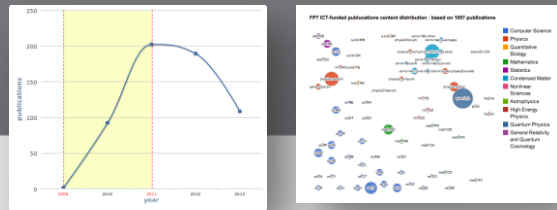

The basic enabling system

Specialised sw tools

Data curation, enrichment, mining, statistics, thrends, ……
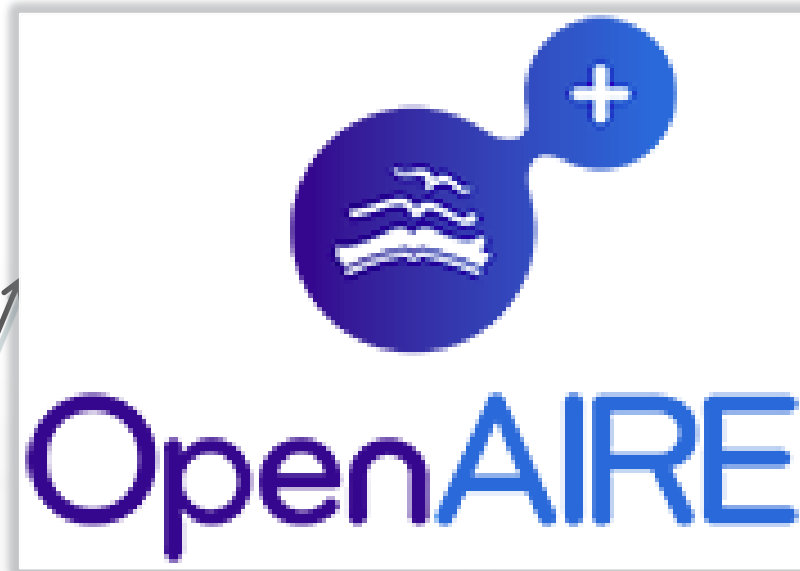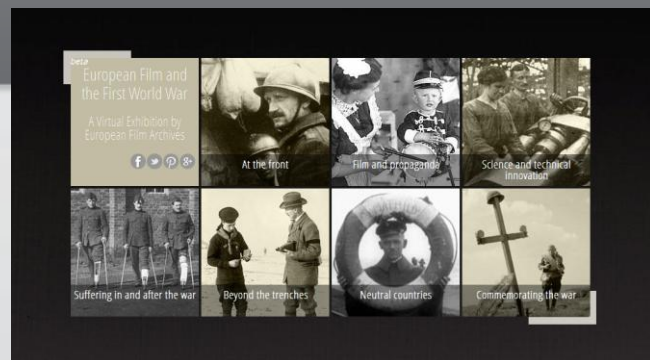
The infrastructure
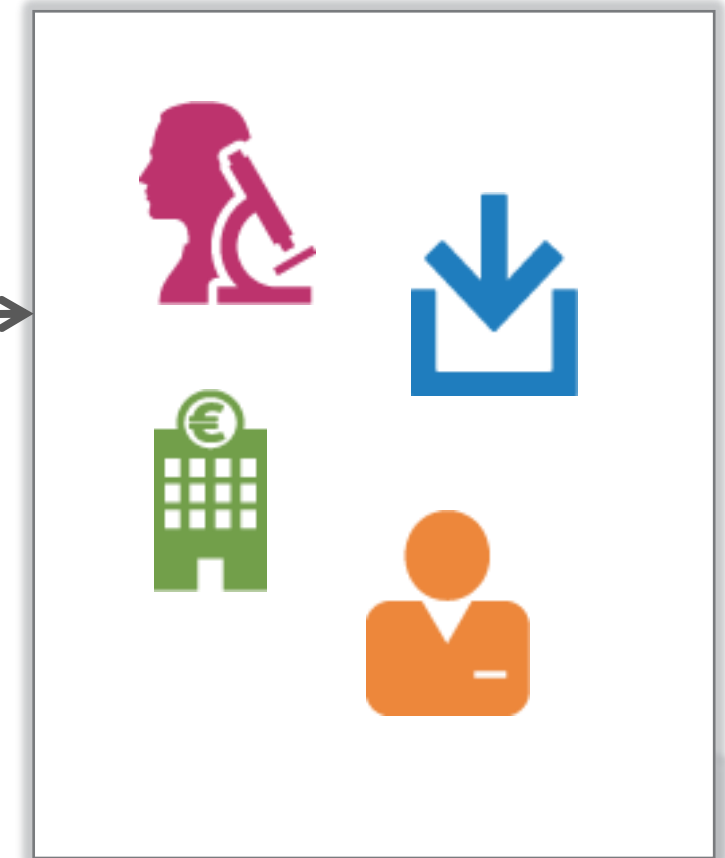
Community specialised services

Other D-Net enabled infrastructures: EFG

- Virtual Exhibition Application
- Authority Files Management and Metadata Editor

Europeran Film Gateway
http://www.europeanfilmgateway.eu/
- 33 contributing archives from 22 countries
- 1 M of digitized items
- 750 hours of film on the theme of World War I

DIF – Deutsches Film Institute, Germany

Cinematographic heritage researchers, educators and interested public

Other D-Net enabled infrastructures: HOPE

- Provisioning to social sites based on content type and target audience
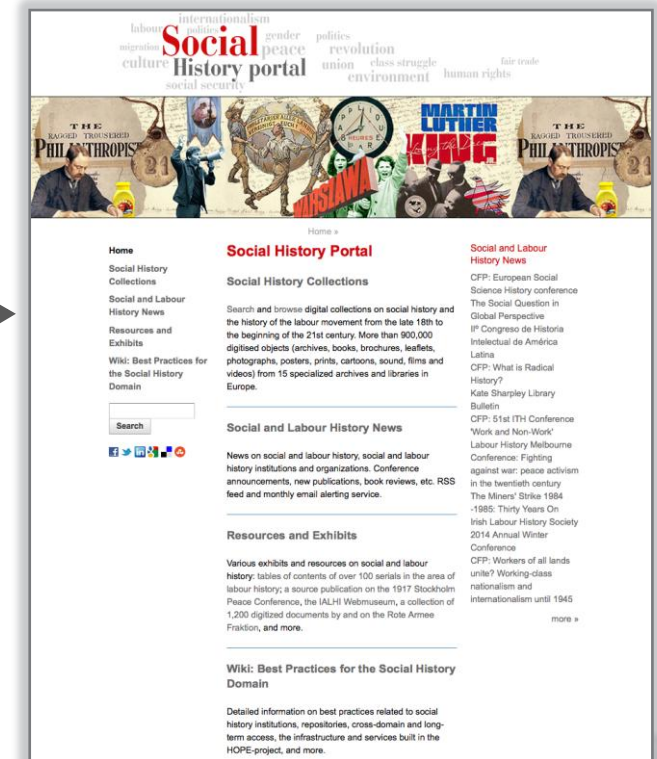- Data Curation: Vocabulary & Mapping Rules Editor

HOPE – Heritage of Peoples' Europe

http://www.peoplesheritage.eu &
http://www.socialhistoryportal.org
- 15 contributing archives from 15 countries
- 3 M of digitized items

IISG – International Institute of Social History, Netherlands

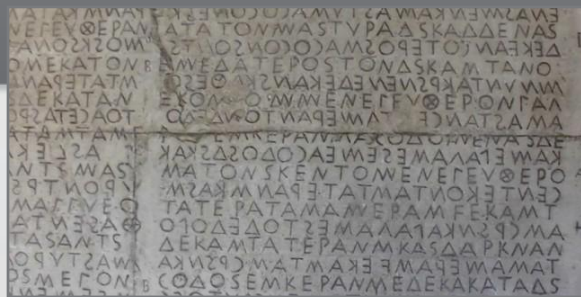Social history and people's movements history researchers and educators

Other D-Net enabled infrastructures: EAGLE

- Image Recognition & Mobile Application
- Storytelling Application
- Data Curation: Vocabulary & Metadata Inspector

EAGLE – Europeana Network of Ancient Greek and Latin Epigraphy

http://www.eagle-network.eu

- 16 contributing from 11 countries
- 80% of of the total amount of inscriptions in the Mediterranean area
- 1.5 M of images and related metadata

To be transferred to Università La Sapienza of Rome, Italy
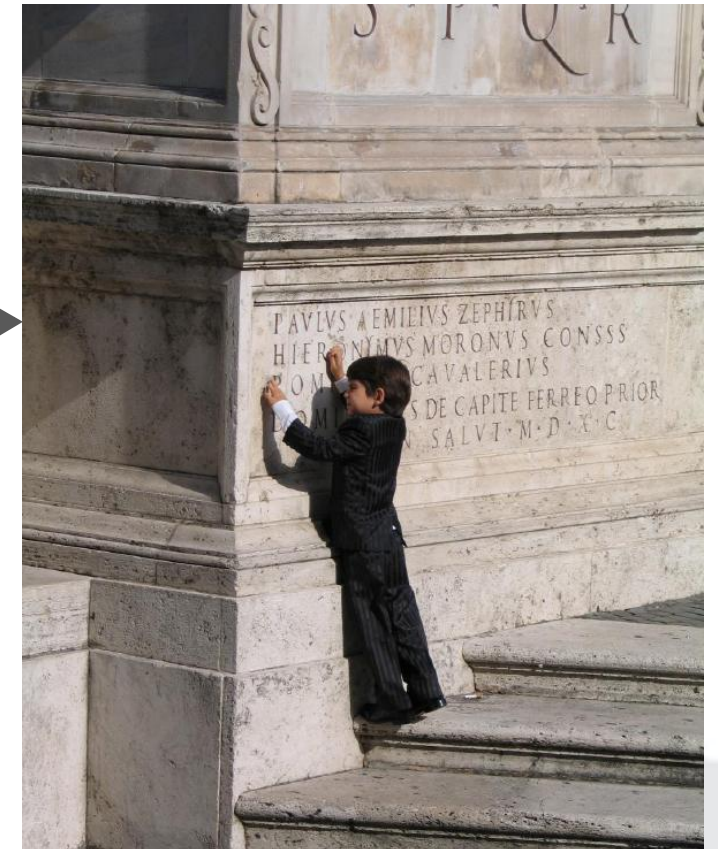
Ancient history researchers and educators

Thank you!

👆 www.openaire.eu

🐦 @openaire_eu

f facebook.com/groups/openaire

in linkedin.com/groups/OpenAIRE-3893548

✉ **donatella.castelli@isti.cnr.it**