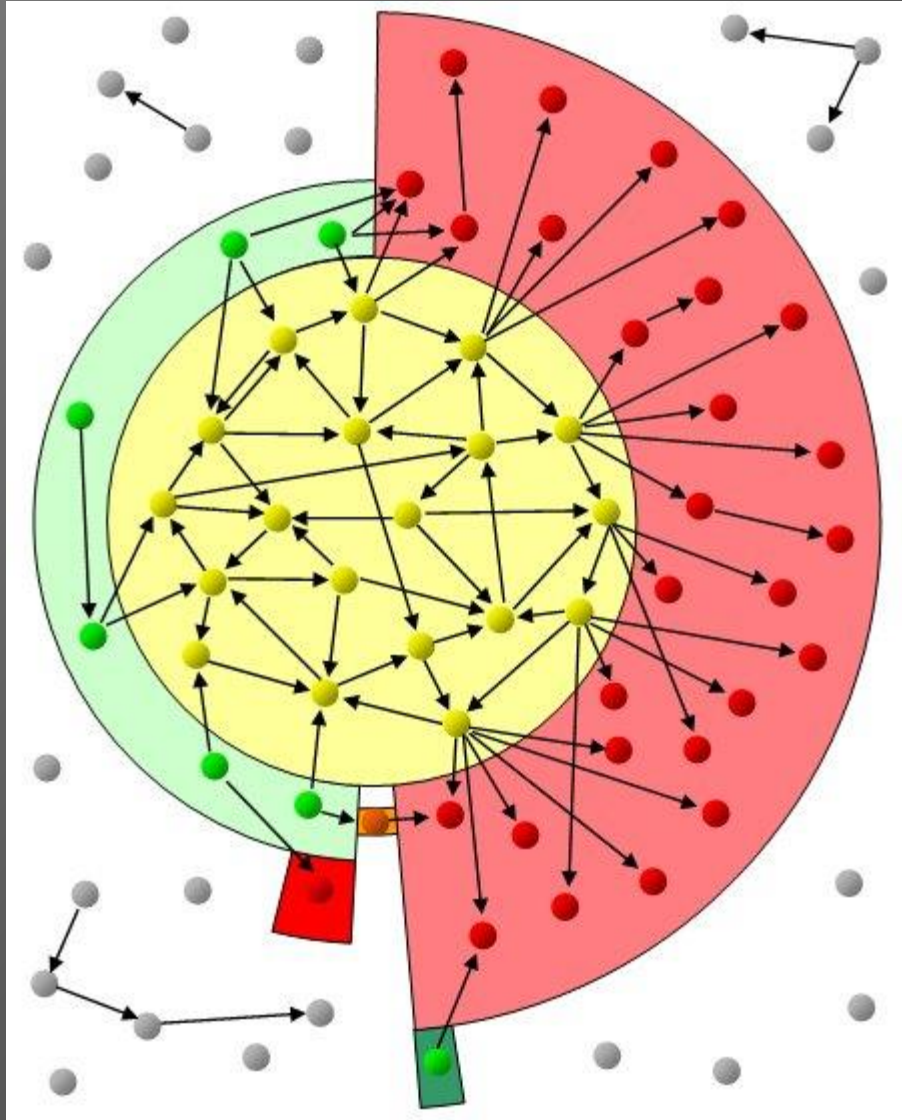


INFORMATIEKUNDE



FRED TRUYEN
HANS COPPENS

Doelstelling

- ⦿ Verantwoord omgaan met informatie op 3 niveaus:
 - Zorgvuldig beheer van informatie
 - Verantwoordelijkheid nemen voor informatie
 - Uitbouwen van een persoonlijk online profiel

Concreet

- ⦿ Omgaan met data
 - Werken met Excel en Access/SQL
- ⦿ Schrijven voor het web
 - HTML/CSS
 - Blog opdracht
- ⦿ Beeldbewerking
 - Basishandelingen

Agenda

- ⦿ 16/02/2018 Algemene inleiding, overzicht gebruikte software
- ⦿ 23/02/2018 HTML & CSS
- ⦿ 02/03/2018 geen les
- ⦿ 09/03/2018 HTML & CSS vervolg, blog opdracht
- ⦿ 16/03/2018 Excel
- ⦿ 20/03/2018 9-11 uur Excel vervolg
- ⦿ 30/03/2018 Beeldbewerking
- ⦿ 31/03/2018 - 15/04/2018 Paasvakantie

Agenda

- ⦿ 20/04/2018 Access
- ⦿ 27/04/2018 Geen Les
- ⦿ 04/05/2018 Access + SQL
- ⦿ 11/05/2018 Geen Les
- ⦿ 18/05/2018 Feedback blogs
- ⦿ 25/05/2018 Interactiecollege vraag & antwoord, toelichting examen

Data, informatie en kennis

Data en informatie

- ⦿ De woorden data en informatie worden dikwijls door elkaar gebruikt
- ⦿ Ze zijn erg abstract en een definitie is altijd wat artificieel
- ⦿ Soms wordt het begrip data specifiek gebruikt om gegevens geschikt voor de computer aan te duiden

Data

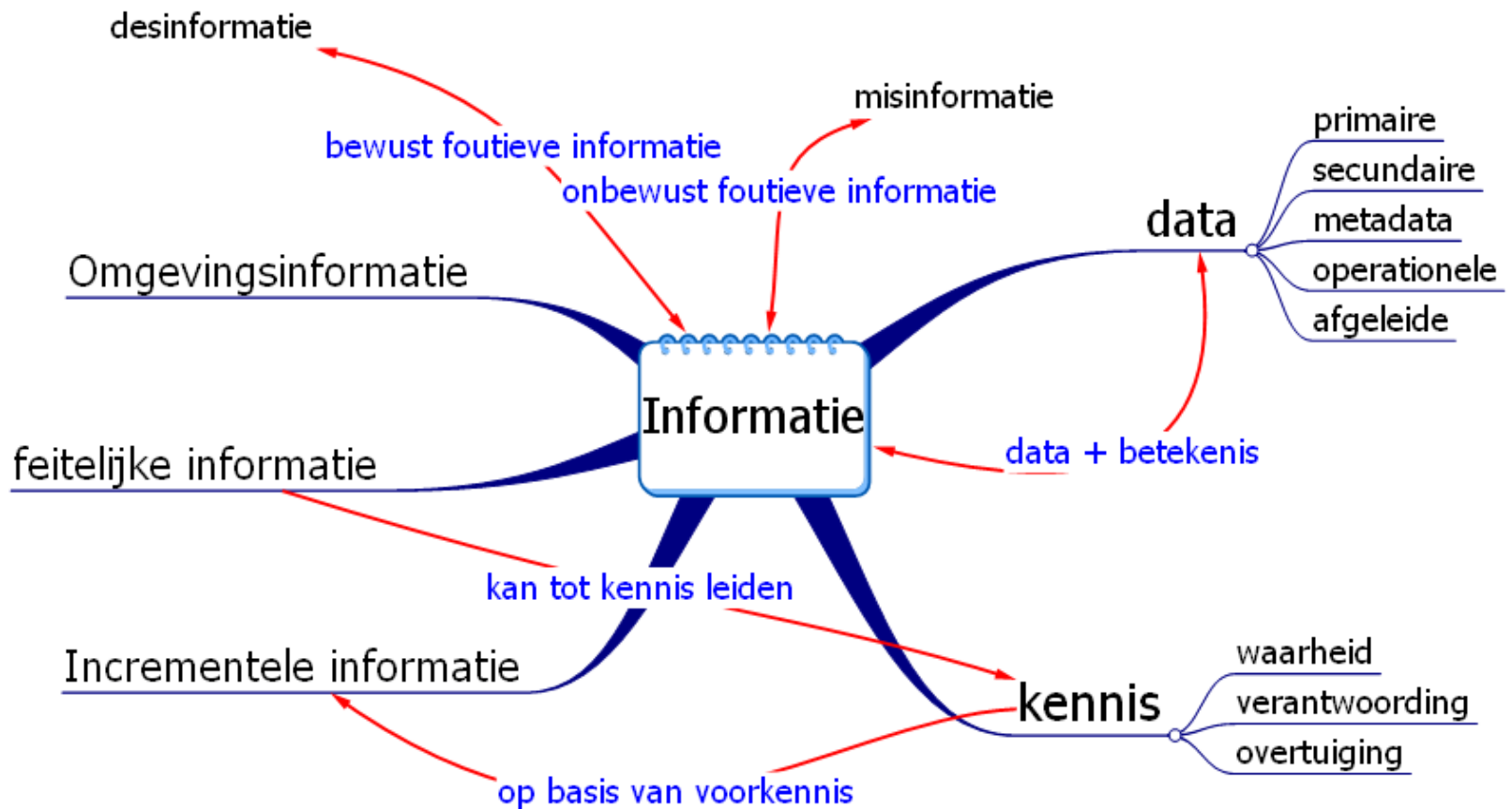
- ⦿ Informatie bestaat uit data die voor ons een betekenis hebben
- ⦿ Wanneer data de vorm krijgt van het antwoord op een vraag (of informatiebehoefte) dan wordt het informatie
- ⦿ Er is geen dataloze informatie
- ⦿ Geen informatie zonder datarepresentatie of codering

Informatie

- ⦿ Informatie = data met betekenis
- ⦿ Xerox-principe
 - Indien A de informatie draagt dat B, en B draagt de informatie dat C, dan draagt A de informatie dat C
- ⦿ Incrementele informatie
 - Naargelang de voorkennis bevatten dezelfde data meer informatie

Soorten data / informatie

- ⦿ Primaire data
- ⦿ Secundaire data
- ⦿ Metadata
- ⦿ Operationele data
- ⦿ Afgeleide data



Spanningsvelden

- ⦿ Kennis vs. informatie
- ⦿ Waarde van informatie
- ⦿ Historiciteit van informatie

Verantwoord omgaan met informatie

- Betrouwbaarheid
- Privacy
- Aangepast aan doelpubliek
- Epistemische taakverdeling



Informatie veilig bewaren

- ⦿ Opslag en versiebeheer
- ⦿ Bescherming tegen virussen
- ⦿ Archiveren
- ⦿ Encryptie
- ⦿ Omgaan met Cloud oplossingen
- ⦿ Keuze voor open formaten

Informatie collaboratief aanmaken

- ⦿ Sociale software, Blogs, Pinterest, Soundcloud
- ⦿ Google Docs, Office 365
- ⦿ Groupware
 - Sharepoint, Basecamp, Trello

Informatie uitdrukken in verschillende formaten

- ◉ Tweet
- ◉ Facebook post
- ◉ Blog
- ◉ Flyer
- ◉ Poster
- ◉ How-to guide
- ◉ Journal Article
- ◉ Book
- ◉ Youtube video



photoconsortium.net/new-project-mi... @Europeanaeu @fredtruyen @sofietaes
@acediscovery



10





PhotoConsortium

...

Gepubliceerd door Valentina Bachi [?] · 28 september om 11:41 · 🌐

new project: Migration in the Arts and the Sciences! Europeana.eu
<http://www.photoconsortium.net/new-project-migration-in-th.../>



344 personen bereikt

Bericht boosten



Vind ik leuk



Reageren



Delen





Iter Dig-italicum

A digital journey through the Leuven manuscripts

A digital journey

Iter Dig-italicum brings all of the Leuven Central Library's digitised manuscripts together on one website.

However, the website is more than just a collection of images. The goal is to actually transcribe the digitised texts through crowdsourcing as well.

Goals

➤ Digitally unlock the Leuven collections

- Transcribe all handwritten fragments and short texts to make them easily accessible to 21st century readers.
- Improve the information in our catalog to facilitate access for researchers using the manuscripts as source material.

➤ Actively involve volunteers in the collections

- Readers can voluntarily transcribe digitised texts and fragments from the gallery.
- Once they transcribe several texts, volunteers are rewarded for their work with Mozilla Open Badges.
- For those in need of a little help, the website contains a detailed manual and a list of resources and extra information.

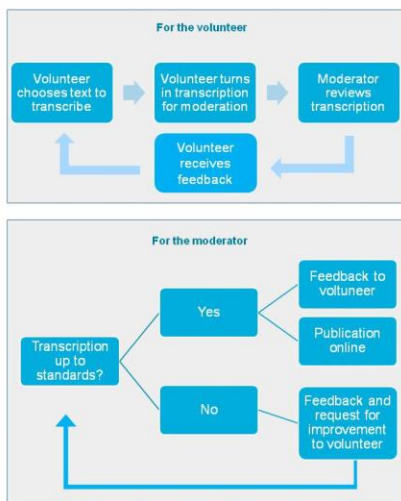
Target audience

- Schools
- University research groups
- Professors
- Students

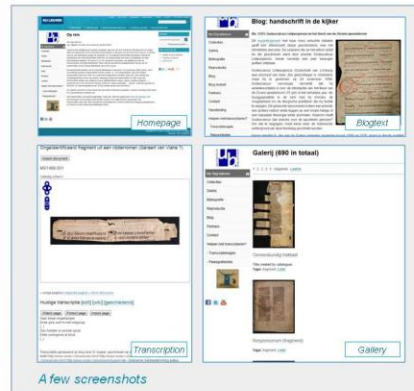
Promotion

- Internet
 - university library's website, heritage websites, online newsletters, etc...
- Journals by the university or heritage institutions.

Course of action



The website so far



Our gallery contains:

- 2 manuscripts younger than 1600
- 31 short texts younger than 1600
- 20 manuscripts older than 1600
- 317 fragments older than 1600
- 339 Cranevelt letters

Why fragments?

- Limited number:
 - Only 317 fragments online
 - Comprehensible for readers
 - No need for large group of volunteers
- Quick results for transcribers:
 - Motivates volunteer
 - Unlocks texts at faster rate
- Sufficient variety in terms of themes and language.



Plans for the future

- Given a good response, the gallery can be expanded with longer manuscripts to transcribe.
- In a following phase, the source material can be expanded with:
 - manuscripts from other KU Leuven libraries.
 - other heritage material such as old prints.

Partners



For more information:

iterdigitalicum.bib.kuleuven.be

Interactionele expertise

- ⦿ Vermogen om met domein experts om te gaan
- ⦿ Beheersing van taalregister van een domein
- ⦿ Men hoeft zelf geen domein-expert te zijn

Data journalism

- ⦿ Journalisme op basis van “Big Data”
- ⦿ Vereist interpretatie
- ⦿ Gebruik van grafieken en infographics



CLIMATE CHANGE IN THE CORAL TRIANGLE

Change has been a constant feature of our planet, and over long periods of time, corals and the reefs have slowly adapted to these changes. Today, what makes our situation so perilous is that the rate of climate change has accelerated. Current rates may be as much as 100-1,000 faster than anything the planet has experienced over the past one million years.

ONE WORLD, TWO FUTURES

Atmospheric concentrations of CO₂ are 37% higher than they have been at any time during the last 650,000 years

In one future, the international community continues down the current track towards catastrophic climate change. The biological treasures of the Coral Triangle are destroyed while poverty increases, food security fails and economies suffer.



In the other future, the build-up of greenhouse gases is brought under control, and Coral Triangle nations also invest in solutions that reduce other environmental stresses.

1-4°C

Expected temperature increase of the sea in the Coral Triangle by 2100

WWF

2°C

Temperature increase above which most corals will be eliminated

WWF

Acidified oceans

As greater amounts of carbon dioxide dissolve into the sea, corals are less able to build and maintain reefs - with dramatic consequences for reefs' rich marine life.



Severe weather

Already in the pathway of typhoons and cyclones, the Philippines and the Solomon Islands are likely to experience variations in the intensity and severity of these weather events as a result of climate change.



Low productivity

There could be a 80% decline in the ability of the Coral Triangle's coastal environment to provide food for people by 2100 if effective action is not taken on climate change.



WWF/University of Queensland

Sea level rise

The Coral Triangle may experience a sea level rise of 30-60 cm by 2100.

UN IPCC



People who rely on the sea for a living are feeling the impacts of climate change

"The sea has not been good to us"



Fisher Chris Kong from Kudat, Malaysia, has seen his catch dwindle every year because of shifts in the monsoon winds, cutting short his fishing season.

WHY THERE IS HOPE



Natural advantage

High levels of biodiversity, coupled with fast rates of growth and recovery, put many Coral Triangle ecosystems in a favorable position to be resilient to climate change.



Political will

The leaders of the 6 countries of the Coral Triangle have made adaptation to climate change one of the top priorities for the region through the Coral Triangle Initiative.



Knowledge of solutions

Establishing and managing effective marine protected areas, reducing coastal destruction, and supporting local people's involvement in sustainable management have all been proven to reduce stress on nature. These solutions also build the resilience of ecosystems and local communities.

The Coral Triangle - the nursery of the seas - is the most diverse marine region on the planet, covering some 6 million km² of ocean across 6 countries in the Asia-Pacific region. This ecological wonder is home to 76% of the world's reef-building coral species and 6 out the 7 known species of marine turtles.

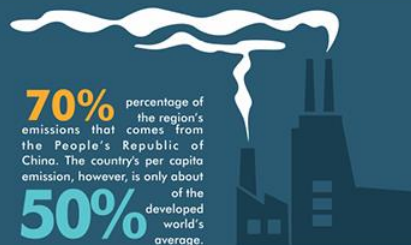
CLIMATE CHANGE

in Asia and the Pacific



Scientists warn that the world's climate is changing because of rising greenhouse gas emissions that might end up warming the planet by well over 2 degrees. Here are some glaring numbers that show the impacts of climate change in Asia and the Pacific.

Asia is key



2030

the year when developing Asia's share in global energy-related emissions could reach about

45%

without greater use of renewable energy and improved energy efficiency.

Impacts to the Region

7 out of the 10 nations at greatest risk to climate change and natural disasters globally are in Asia and the Pacific, and 3 of these are small Pacific island states.



20 million number of Bangladeshis who will be displaced by a **1-meter** rise in sea level in 2050.



More than > 60% number of the region's population working in agriculture, fisheries, and forestry, the sectors most at risk to climate change.



300 million to 410 million

estimated increase of Asian urban dwellers at risk of coastal flooding by 2025. In inland areas, the number of people at risk will rise from 245 million to 341 million by 2025.

DISASTER RISK MANAGEMENT



\$40 billion
budget required annually to help Asia and the Pacific transition to low-carbon and climate-resilient economies.



approximate amount of ADB investment in clean energy related projects since 2008, with **\$2.1 billion** in 2011 alone.

Sources

* Emissions Database for Global Atmospheric Research (EDGAR)
* Key World Energy Statistics
* World Energy Outlook 2012
* World Risk Report 2012
* Pender, J.S. 2008. What is Climate Change? And How It Will Effect Bangladesh. Briefing Paper. Final Draft. Dhaka, Bangladesh: Church of Bangladesh Social Development Programme.

* Stern Review on the Economics of Climate Change
* Stern Review on the Economics of Climate Change
* Massive Investments are required
* Fast Facts: Vulnerable Cities - Waking Up to the Need for Urban
* Stern Review on the Economics of Climate Change

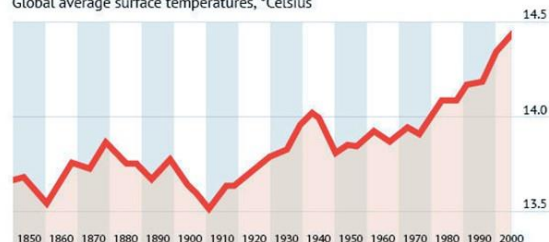
ADB Asian Development Bank
FIGHTING POVERTY IN ASIA AND THE PACIFIC
<http://www.adb.org/themes/climate-change/>

Global Warming: Observations and Forecasts

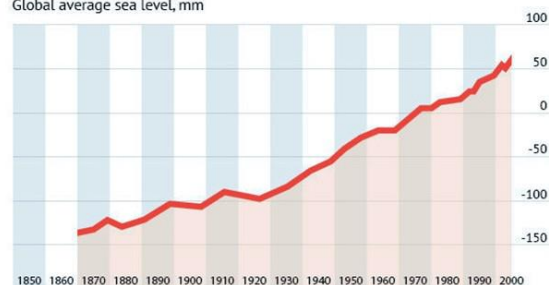
Experts predict that surface temperatures will rise by 2.4 degrees Celsius through the 21st century

Recorded climate change (1850-2005)

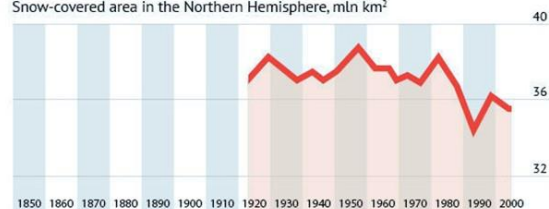
Global average surface temperatures, °Celsius



Global average sea level, mm



Snow-covered area in the Northern Hemisphere, mln km²



Source: Intergovernmental Panel on Climate Change

Some possible consequences of global warming



Melting of polar and high-altitude glaciers



Rising level of the world's oceans



More frequent droughts, expanding deserts and arid zones



More intensive tropical cyclones



More intensive precipitation in temperate climate zones



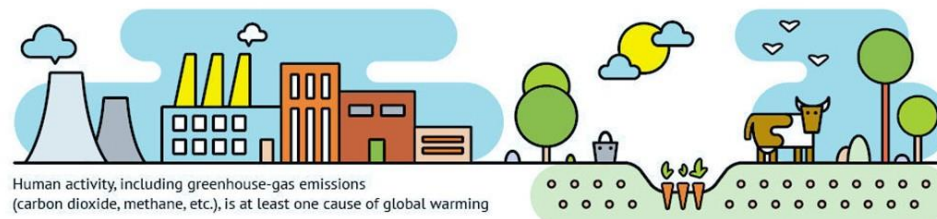
More frequent forest fires



Permafrost degradation causing damage to buildings and lines of communication



All-out extinction of biological species failing to adapt to new conditions



Luchtkwaliteit in Vlaanderen 2015

3 verontreinigende stoffen met impact op je gezondheid

MEETPLAATSEN LUCHTKWALITEIT



op het platteland



in de stad



locaties met veel verkeer

FIJN STOF (PM_{2,5})

Fijn stof (PM) omvat alle mogelijke stofdeeltjes die rondzweven in de lucht. PM_{2,5} zijn minuscule deeltjes, kleiner dan 2,5 µm. Een micrometer (µm) is 1/1000ste van een millimeter. Fijn stof kan o.a. acute luchtwegaandoeningen, bronchitis en zelfs longkanker veroorzaken.

JAARGEMIDDELDE

Mag volgens de EU 25 µg/m³ bedragen. De Wereldgezondheidsorganisatie (WGO) hanteert een strengere advieswaarde, nl. 10 µg/m³



AANTAL PIEKDAGEN

Volgens de Wereldgezondheidsorganisatie zouden er maar 3 piekdagen (meer dan 25 µg/m³) per jaar mogen zijn



EVOLUTIE JAARGEMIDDELDEN



100%

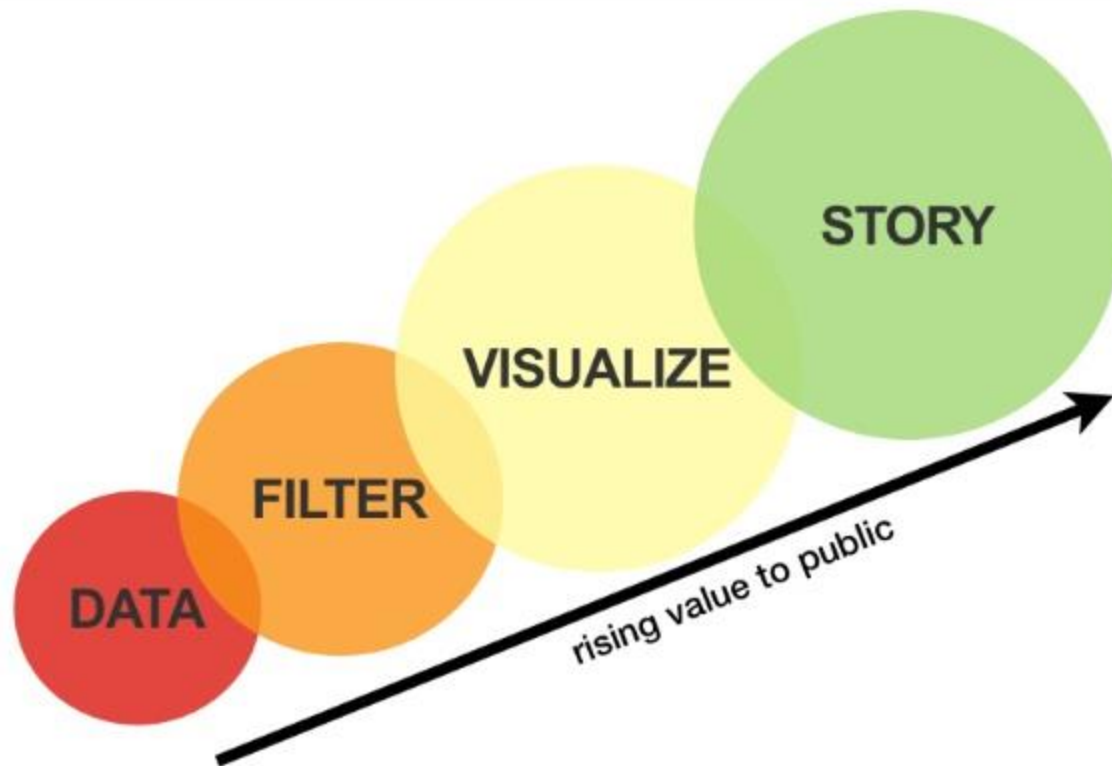
van de Vlamingen woont in een gebied dat voldoet aan de **EU-doelstelling**

ZO'N
6.389.000
PERSONEN

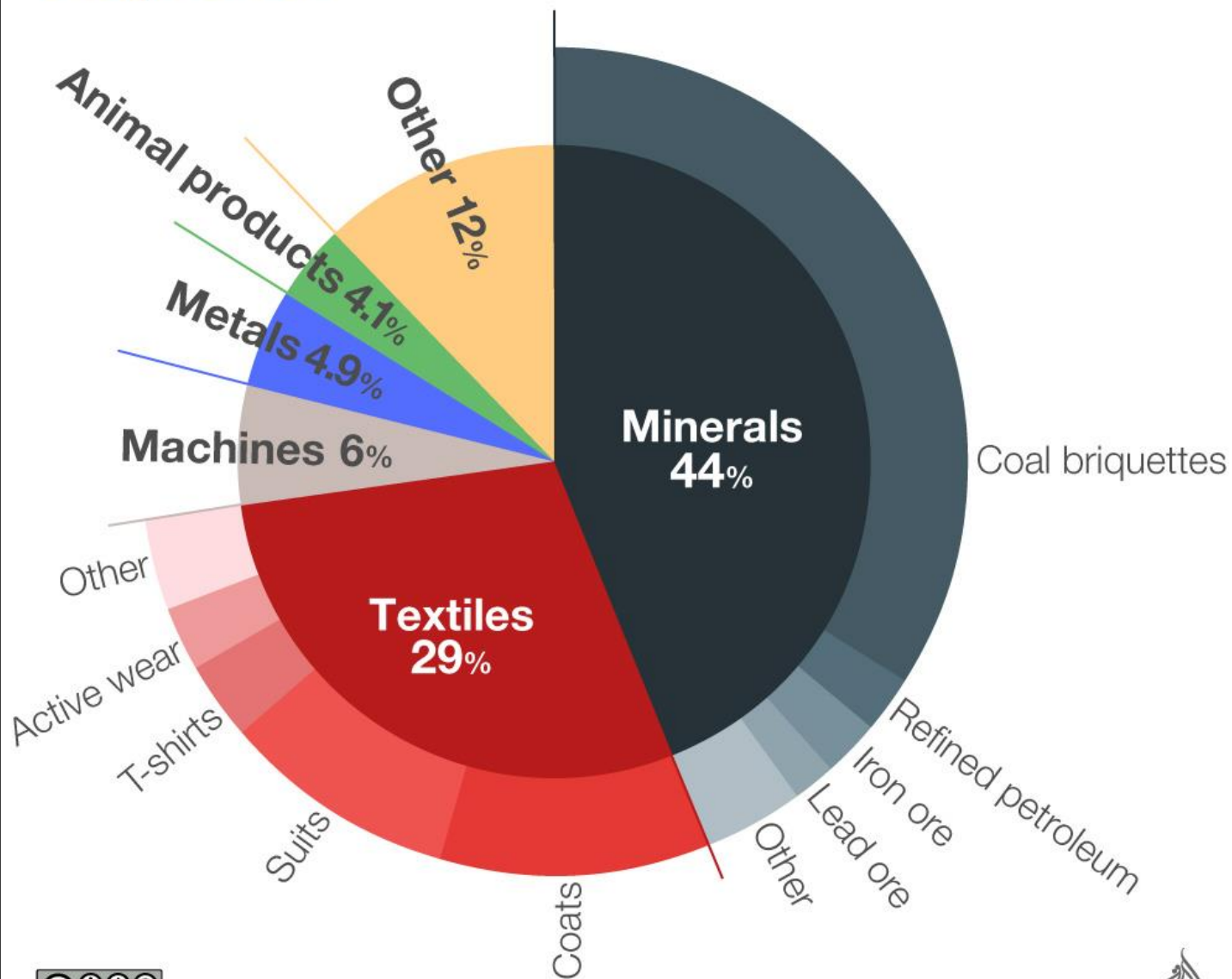
0%

van de Vlamingen woont in een gebied dat volledig voldoet aan de **advieswaarden** van de **WGO**

DATA-DRIVEN JOURNALISM = PROCESS



What does North Korea export?

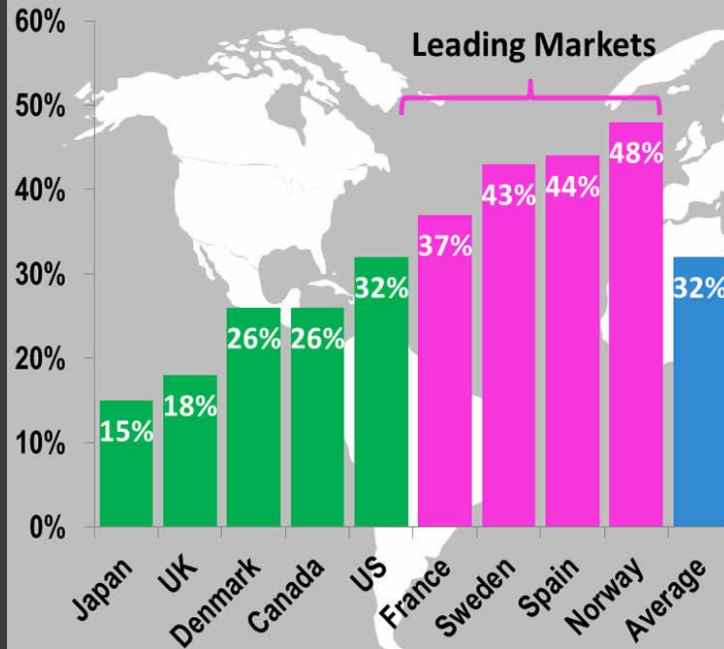


Source: Observatory of Economic Complexity

STREAMING MUSIC GOES GLOBAL

AN OVERVIEW OF GLOBAL STREAMING ADOPTION

STREAMING MUSIC PENETRATION RATES



16.4 Million Consumers

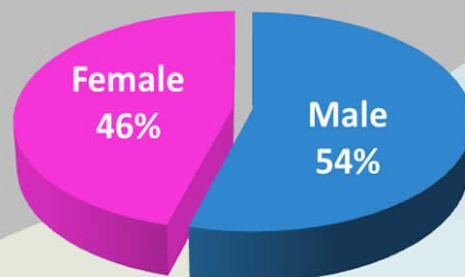
Global audience of paid music subscribers in 2011

According to the IFPI

STREAMING'S INFLUENCE



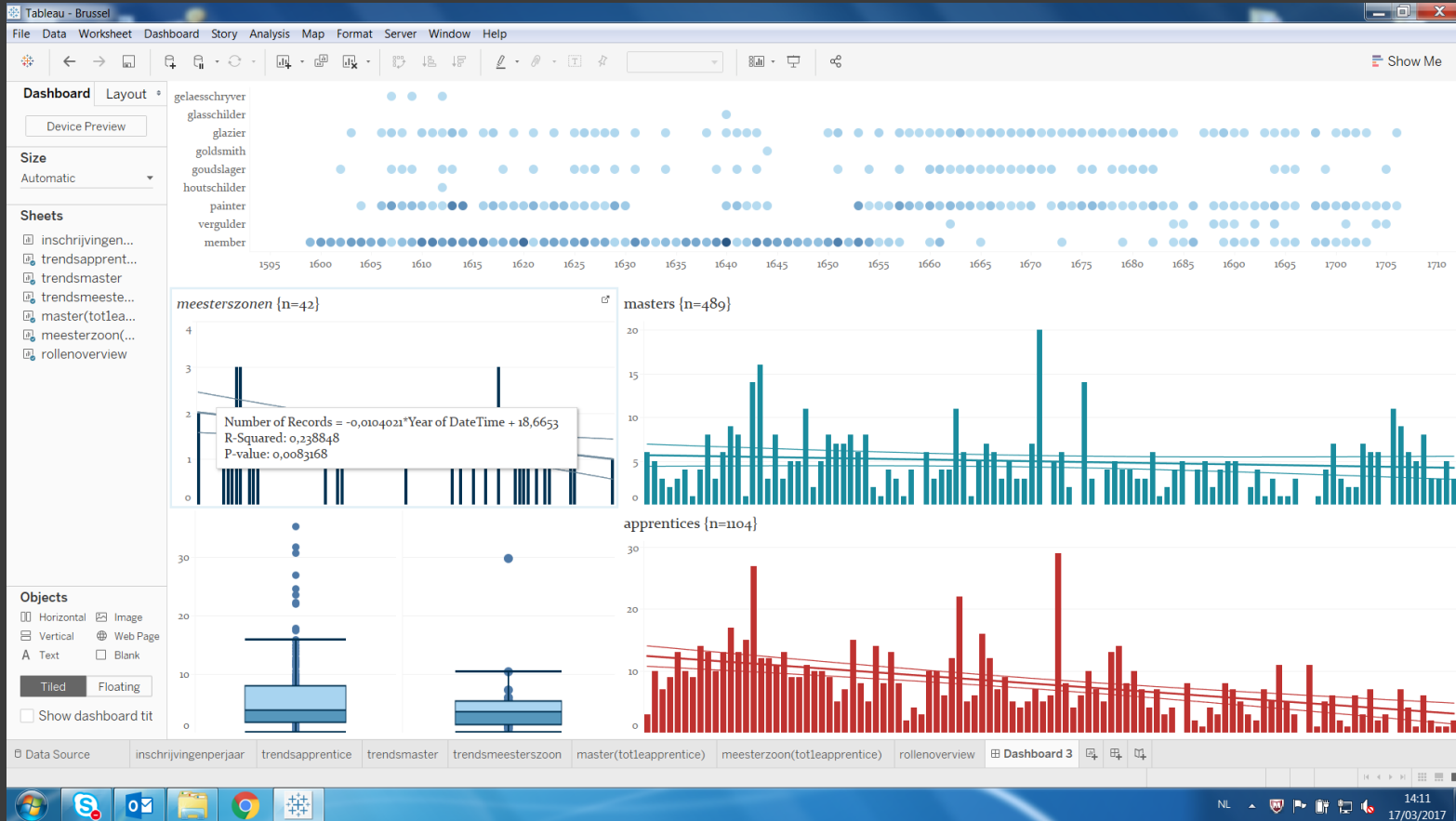
GENDER SPLIT OF STREAMING MUSIC USERS

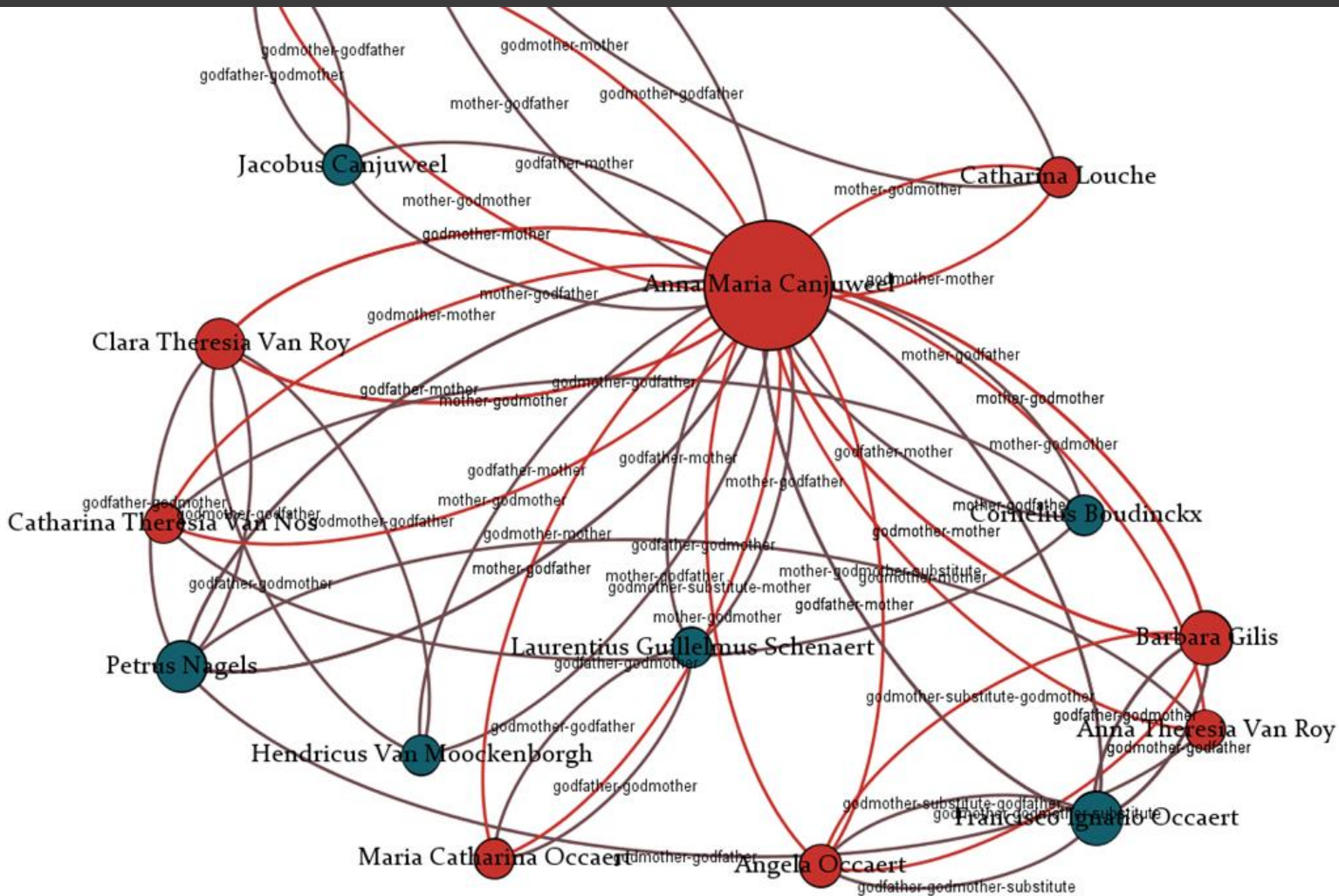


55%

Streaming users that discover new artists because of streaming

Visualisaties

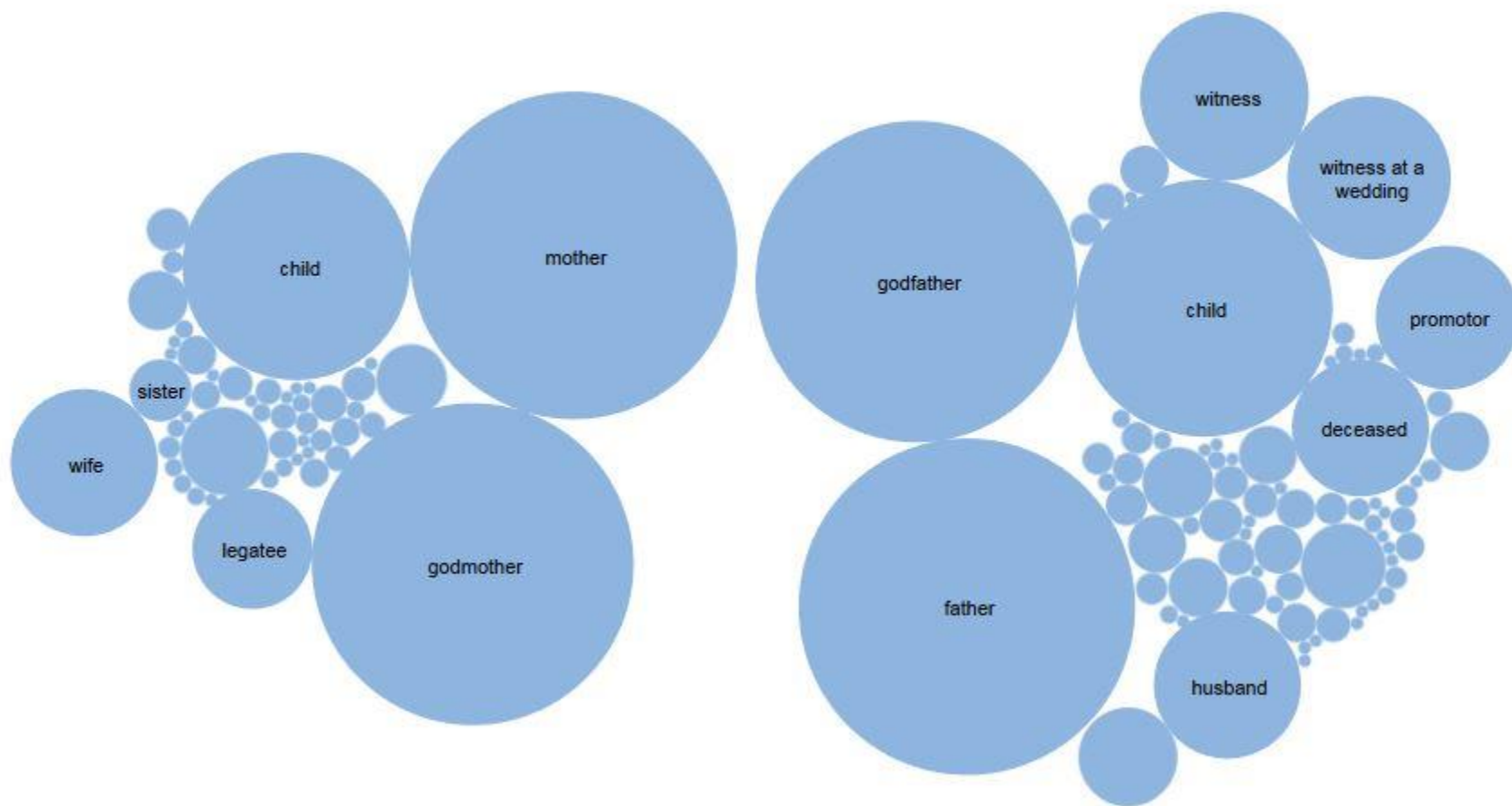


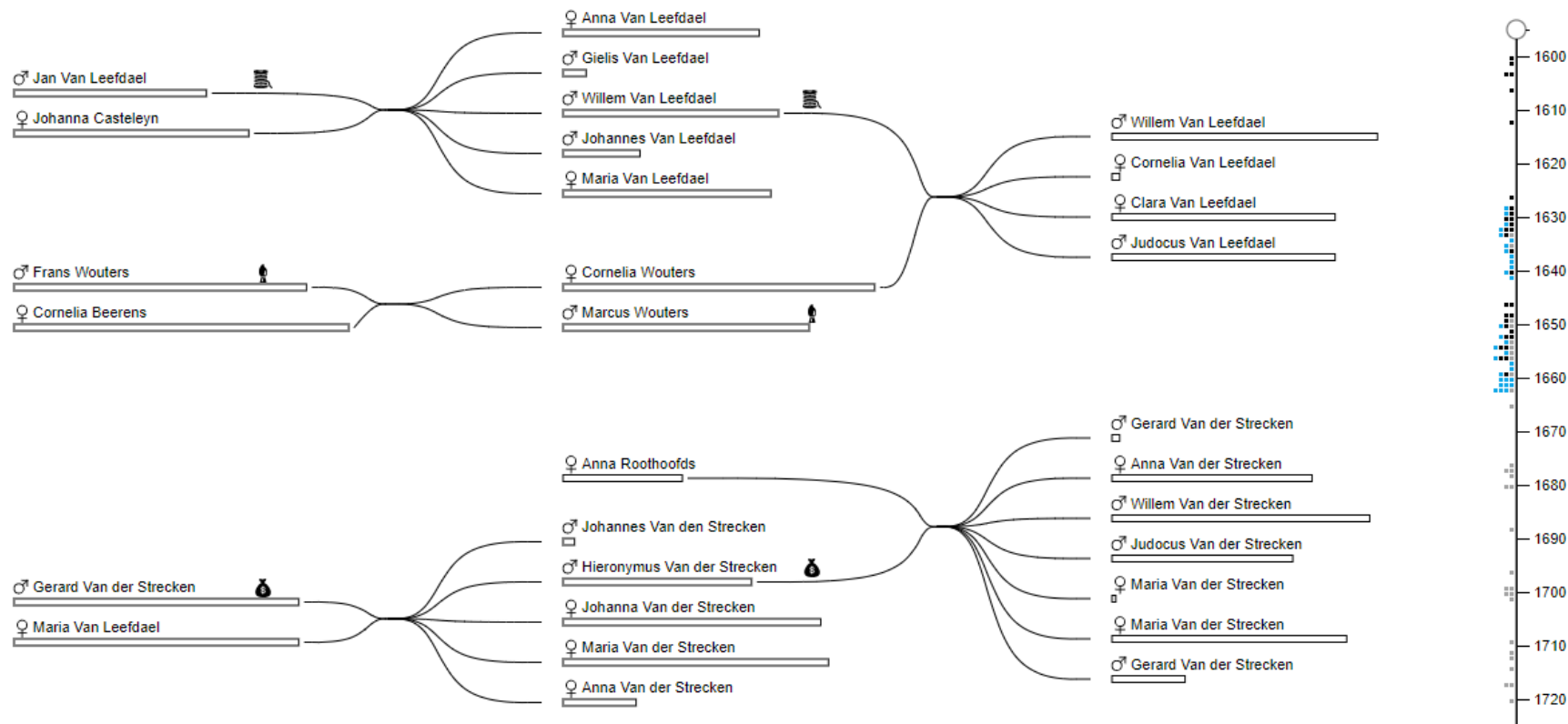


Gender

female

male





Onderzoeksgebieden

- ⦿ Informatietheorie
- ⦿ Informatica
- ⦿ Informatiewetenschap
- ⦿ Informatiekunde
- ⦿ Digital Humanities

Informatietheorie

- ⦿ Wetenschap die voortbouwt op het werk van Shannon.
- ⦿ Een mathematische representatie van de voorwaarden voor opslag en transfer van informatie.

Informatietheorie (2)

- ⦿ Communication systems
- ⦿ Channel capacity
- ⦿ Signal processing
- ⦿ Source coding
- ⦿ Compression algorithms
- ⦿ Cryptography

Informatica

- Informatica tracht tot algemeen geldende uitspraken te komen m.b.t. de wetenschappelijke en technische aspecten van representatie en verwerking van gegevens met behulp van automaten.
- Informatica wordt meestal aanzien als een synoniem van computerwetenschap.

Informatiewetenschap

- Informatiewetenschap bestudeert het verschijnsel informatie en de gemeenschappelijke kenmerken van de processen die de productie en het gebruik van informatie faciliteren. Het gaat in wezen om opslag en distributie van informatie. Zij richt zich momenteel in hoofdzaak op de digitalisering.

Onderzoeksgebieden informatiewetenschap

- ⦿ Documentbeheer
- ⦿ Collectiebeheer
- ⦿ Intellectual Rights Management
- ⦿ Kwaliteitszorg
- ⦿ Automatisering
- ⦿ Zoeksystemen

Informatiekunde

- Informatiekunde is de leer van het toepassen van informaticahulpmiddelen op een specifiek maatschappelijk of wetenschappelijk gebied, met als doel de productie, de verspreiding en het gebruik van de informatie van dat gebied te faciliteren.

Digital Humanities

- ◎ Inzet van informatietechnologie voor:
 - verzamelen en opslaan (data capture)
 - analyseren (data analysis)
 - verspreiden en bewaren (data dissemination and curation)
- van onderzoeksgegevens in de humane wetenschappen

Digital Humanities

- Born Digital <-> Gedigitaliseerde data
- Combineert methoden uit humanities met informaticatools, voor bv. data visualisatie

Category Archives: RICH (Illuminare)

Microdome imaging workshop at the J.P. Getty Museum

Posted by Bruno Vandermeulen on 09/02/2016



Between January 27th and February 3th the RICH team has been working together with the scientists and conservators of the J.P. Getty Museum and Research Institute in Los Angeles. Various artifacts of

[PLD@Mesopotamia](#)

[RICH \(Illuminare\)](#)

[ESAT](#)

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[Publications](#)

[Posters](#)

[Video](#)

[Images](#)



☰ Portable Lig...

KU LEUVEN

ARCHIVES

TRISMEGISTOS

An interdisciplinary portal of papyrological and epigraphical resources
formerly Egypt and the Nile valley (800 BC-AD 800), now [expanding](#) to the Ancient World in general

[How to cite TM](#)

Last updated on 2016-02-05

Search for a TM-number:

[Straight to Text Search Form](#)

TEXTS

COLLECTIONS

ARCHIVES

PEOPLE

PLACES

AUTHORS

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GHOSTNAMES



NEW A guide for first time users

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all artistic action is social action

Meet the merry members of 'De Olijftak', an Antwerp rhetorical chamber grouping art aficionados, art entrepreneurs, painters and playwrights. Rowdy Brussels colleagues are joining the party.

It is going to be a brutal night. It is going to be an inspiring night.

They will chirp and chatter. They will discuss their projects. They will share ideas and information.

This is how creativity blossoms. This is how art was made.

Add a search term



Explore 48,752,042 artworks, artefacts, books, videos and sounds from across Europe.

Winter Landscape with Ice Skaters, Hendrick Avercamp
Rijksmuseum
 Public Domain

THEMATIC COLLECTIONS



THEMATIC COLLECTIONS

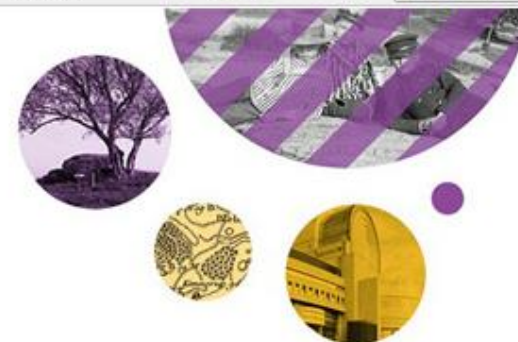


EXHIBITION



EXHIBITION



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Home

Home



What is Where - archaeology and architecture on the map



Bringing content for archaeology and historic buildings for Europeana's users

CARARE is a best practice network which brings together heritage agencies and organisations, archaeological museums and research institutions and specialist digital archives from all over Europe to make digital content for Europe's unique archaeological monuments and historic sites interoperable with [Europeana](#).

"Bringing content for archaeology and historic buildings to Europeana users."

News

[Call for EAA 2016](#)

The call for papers and posters for EAA 2016 is open until 15th February 2016. The 22nd annual meeting of the European Association of Archaeologists will be held in Vilnius from 31st August to 4th September.

[CHNT 21 - Calls](#)



**Urban Archaeology and Archaeological Data:
Preservation, Re-use and Repurposing**

The City Lives / Living the City



EXPLORE THE GALLERY

[The City Lives / Living the City](#)

[The Art of the Portrait](#)

[Yesterday's Children](#)

[Hardship & Drama](#)

[The Eye of the Beholder](#)

[Photographer at Work!](#)

[Joy & Leisure](#)

[A Brave New World](#)

The Ghent Altarpiece



Select a panel, or click here for more information.



✓ Open

Closed

✓ Macrophotography

Infrared macrophotography

Infrared reflectography

X-radiography

Extras

Quatrain

Extreme close-ups

Cleaning tests

Copy of Just Judges

Reports

About

The project

Documentation methods

Dendrochronology

Project participants 2010-12

Project participants 2012-17

Using images from this site



SOFTWARE

Office 365

- We gebruiken Office 365. Elke student kan dit gratis downloaden:
- <https://admin.kuleuven.be/icts/office365>

SQL

Je kan SQL oefenen met volgende software:

- Microsoft Access (Enkel op PC!)
 - Op Mac kan dit via VDI, maar enkel vanuit Agora: <https://vdi.kuleuven.be/>
- DB Browser for SQLite
 - <http://sqlitebrowser.org/>
- Je kan SQL ook oefenen op:
 - <https://www.w3schools.com/sql/default.asp>

HTML / CSS

⦿ Alles is te vinden op:

- <https://www.w3schools.com/>

Tekst-editing

- ⦿ Atom
 - <https://atom.io/>
- ⦿ Markdown
- ⦿ Pandoc

Beeldbewerking

- ◎ We werken met Pixlr
 - <https://pixlr.com/editor/>