

ALMACENAMIENTO Y USOS DEL CO₂
SAPIENZA UNIVERSITÀ DI ROMA - CER1 - CC BY NC ND



COP24 · KATOWICE 2018
UNITED NATIONS CLIMATE CHANGE CONFERENCE

ENOS

Storytelling on CCS/CCUS through a journalists and scientists relationship

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ENOS
Enabling Onshore CO₂ Storage

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Starting from the beginning...



Energy Efficiency



Renovables

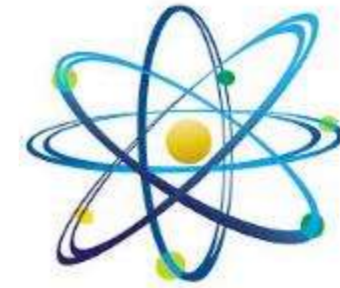


Fuel switching

Since `50s there have been a number of **unprecedented changes to the climate**

Greenhouse gases (CO₂, CH₄, etc) in our atmosphere have **increased** and it is linked to the use **fossil fuels AND some industries** (steel mills, cement factories, paper, etc)

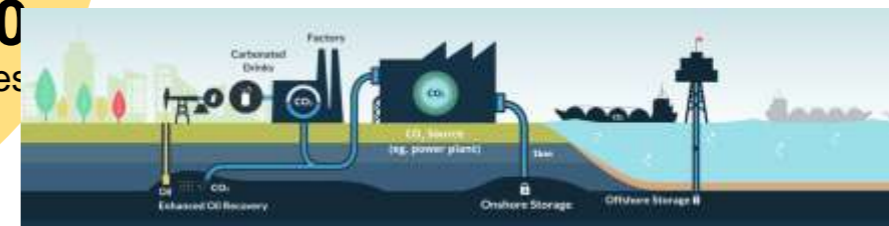
It is expected an **increased of energy demand** til 2040 of **56% AND economic growth to double at 2050** with emerging economies as motor



Nuclear energy



Power efficiency



CO₂ Capture, Transport, Utilisation and Storage



THE EUROPEAN NETWORK OF EXCELLENCE ON THE GEOLOGICAL STORAGE OF CO₂

A FUTURE WITHOUT CO₂ EMISSION

Enabling the safe and efficient deployment of the CO₂ Capture and Storage (CCS) technology.

[FIND OUT MORE](#)



Created in 2004

29

leading
research
INSTITUTES

21

involved
European
COUNTRIES

300

and more
multidisciplinary
EXPERTS

WP8 Promoting CCS through education and training

Educational

CCS joint master programme
E-learning
Spring Schools
Workshops



E-learning



Workshops for journalists and stakeholder



Near the pilot sites



3 spring schools



CCS/CCUS through a journalists and scientists relationship


What is new on ENOS?

OBJECTIVE 1:
To raise
awareness on
CCS of journalists
and media

OBJECTIVE 2:
To enhance
communication
between
scientists
and
journalists

CCS/CCUS through a journalists and scientists relationship

Objective 1: To **raise awareness** on CCS of journalists and media

- 
- Using social-media
 - Create a scientific communicators and journalists network
 - Spreading ENOS results and other CCS related information through the web (www.enos-project.com)
 - Short courses and workshops close to pilots area (2019)

Workshops and short courses for journalists and media

Objective 2: To **enhance communication** between scientists and journalists

- Collecting ideas that can help for better interaction between researchers and media: **ENOS Journalists' workshop in Venice (April 2018)**
- Be accessible on key events: **COP24** and **WCSJ 2019**

ENOS Journalists' Workshop, in Venice on 23th April 2018



CO₂GeoNet Venice Open Forum

35 journalists and scientific communicators from Belgium, Czech Republic, Denmark, France, Germany, Italy, The Netherlands, Spain, Estonia and UK in the network.

Following introductory presentation
a lively debate on aspects of
scientists – journalist interaction
developed.



Key messages



CO₂GeoNet Venice Open Forum

- Scientists **need** journalists for dissemination AND journalists **need** scientists as source of information
- This relation will be profitable if we accept the objectives of the other part ... and is based on **mutual trust**
- Journalists are looking for **a story to tell** and need to understand the whole picture
- Scientists want to communicate **openly and honestly**
- Be ready to talk about the **benefits** of CCS but also **limitations**

Main recommendations

- ✓ Define a clear communication strategy
- ✓ Be proactive with more regular dialogue with the media on CCUS
- ✓ Project scientists need to be ready to answer questions... simple questions such as 'why is CCS important', 'is it safe?', 'does it work?'.
- ✓ Complex topics and scientific uncertainties can be communicated! Do an exercise of simplification: do not try to describe every tree, describe the forest.
- ✓ CCUS is an interesting topic but we need to learn how to make it interesting for the general public.



CO₂GeoNet Venice Open Forum



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**World Conference
of Science Journalists**
Lausanne 2019



CCS/CCUS through a journalists and scientists relationship

Next steps

- To strengthen the international journalists network and inviting new journalists
- Presenting latest ENOS outcomes and dissemination materials
- Local workshops in the area of the pilots
 - ✓ ensure more direct communication with local journalists and media
 - ✓ support the pilots' presence in the area
- Interaction with other working groups in ENOS
 - ✓ communication activities towards the public
 - ✓ exchange of information between CO2 capture and storage scientists and science communicators

In conclusion...

- Considering communication with journalists and media a **natural** part of our projects
- Learning to be **proactive** and **simple**
- Building **mutual trust** is a key
- We must **be ready** to answer questions!



VISTA DE ENPLAZAMIENTO EXPERIMENTAL DE INYECCIÓN DE CO₂
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THANK YOU!



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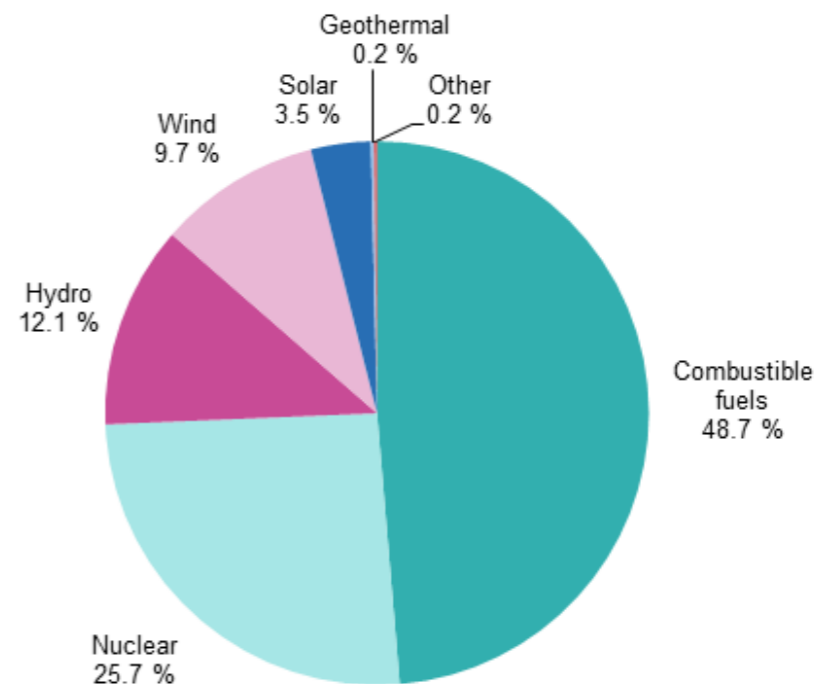
This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 653718

	2014	2015	2016	2017	2018
Hidráulica	15	11	14	7	14
Turbinación bombeo	1	1	1	1	1
Nuclear	21	20	21	21	21
Carbón	16	20	14	17	14
Fuel + Gas	2	2	3	3	3
Ciclo combinado ⁽²⁾	9	11	11	14	11
Hidroeléctrica	0	0	0	0	0
Eólica	19	18	18	18	19
Solar fotovoltaica	3	3	3	3	3
Solar térmica	2	2	2	2	2
Térmica renovable ⁽⁵⁾ /Otras renovables	1	1	1	1	1
Cogeneración y resto ⁽⁵⁾ /Cogeneración	9	9	10	11	11
Residuos no renovables	1	1	1	1	1
Residuos renovables	0	0	0	0	0
Generación	100	100	100	100	100

28%

Net electricity generation, EU-28, 2016

(% of total, based on GWh)



Source: Eurostat (online data code: nrg_105a)