

ICOS BELGIUM NETWORK

NATIONAL NETWORK

ICOS BELGIUM in brief:

- 10 stations
- in all 3 observatory networks
- 6 consortium partners
- synergies with other research infrastructures



Multidisciplinary research platforms at sea:

- Research vessels Simon Stevin and Belgica operating in North Sea and adjacent seas
- **Thornton Buoy** at C-Power wind turbine farm
- Collaboration with European ESFRI LifeWatch



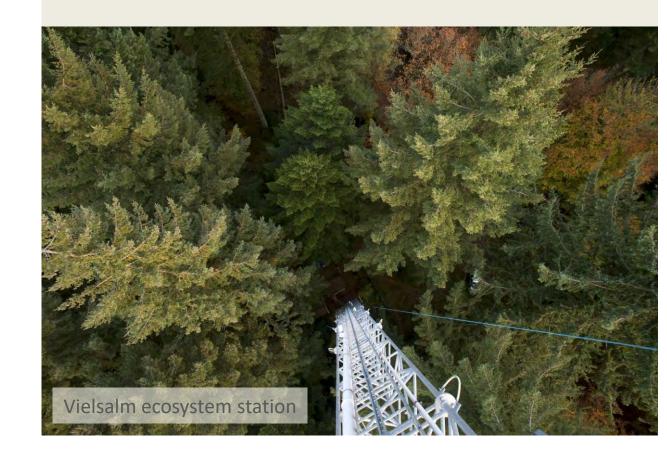
Cultivated sites as ecosystem stations:

- **Dorinne** is an intensive grazed grassland
- Lochristi is a bioenergy plantation of poplar
- Lonzée is an agricultural site with 4 year rotational crop



Solid foundations...

 Belgium hosts two of the longest-running and most complete flux towers in Vielsalm (since 1996) and Brasschaat (since 1997)



Atmospheric observatory on Ile de la Réunion:

- Collaboration between BIRA-IASB, LSCE (France) and University of Reunion
- Measurements also for **Total Carbon Column Observing Network** (TCCON)

Did you know...

- Maasmechelen, situated in a national park, is the only heathland in ICOS
- Maasmechelen and Lonzée ecosystem stations are directly linked with **AnaEE** experimental platforms

HIGHLIGHTS

Belgium has been an active player in ICOS since the very beginning, participating in the preparatory phase project in 2011 and in 2015 becoming one of nine founding member countries of ICOS ERIC. Belgium plays a coordinating role in the ecosystem network, co-hosting the Ecosystem Thematic Centre. With ten stations in all three observatory networks Belgium is a major player in ICOS.



forms the Ecosystem Thematic (France) Bordeaux and University of Tuscia (Italy).

ICOS Science organized in 200 Brussels. stakeholders scientists participate.





2015 New ecosystem station of Maasmechelen in National Park Hoge Kempen is inaugurated in the presence of director general Werner Kutsch.

2016 Celebrating 20 years of flux measurements at ecosystem station Brasschaat made it to the national news.





2017 Prof. Marc Aubinet, former coordinator of ICOS Wallonia, receives Award for Outstanding Achievement in Biometeorology from American Meteorological Society.

2017 First edition of ICOS Belgium Science Conference welcomes 75 participants in Gembloux.

2017 Ecosystem station of Lonzée is one of seven first stations to receive official ICOS label in presence of Walloon minister for climate and press.



FUTURE PLANS



2019

Nine out of ten Belgian stations expected to be labelled.

FALL 2019 ICOS

Belgium Science Conference will be organised in Antwerp.

2019 - 2021

90 climate workshops will be given in schools together with WWF.

FALL 2020

New Belgian research vessel

will be delivered.



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