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TYNDP 2022 MAP

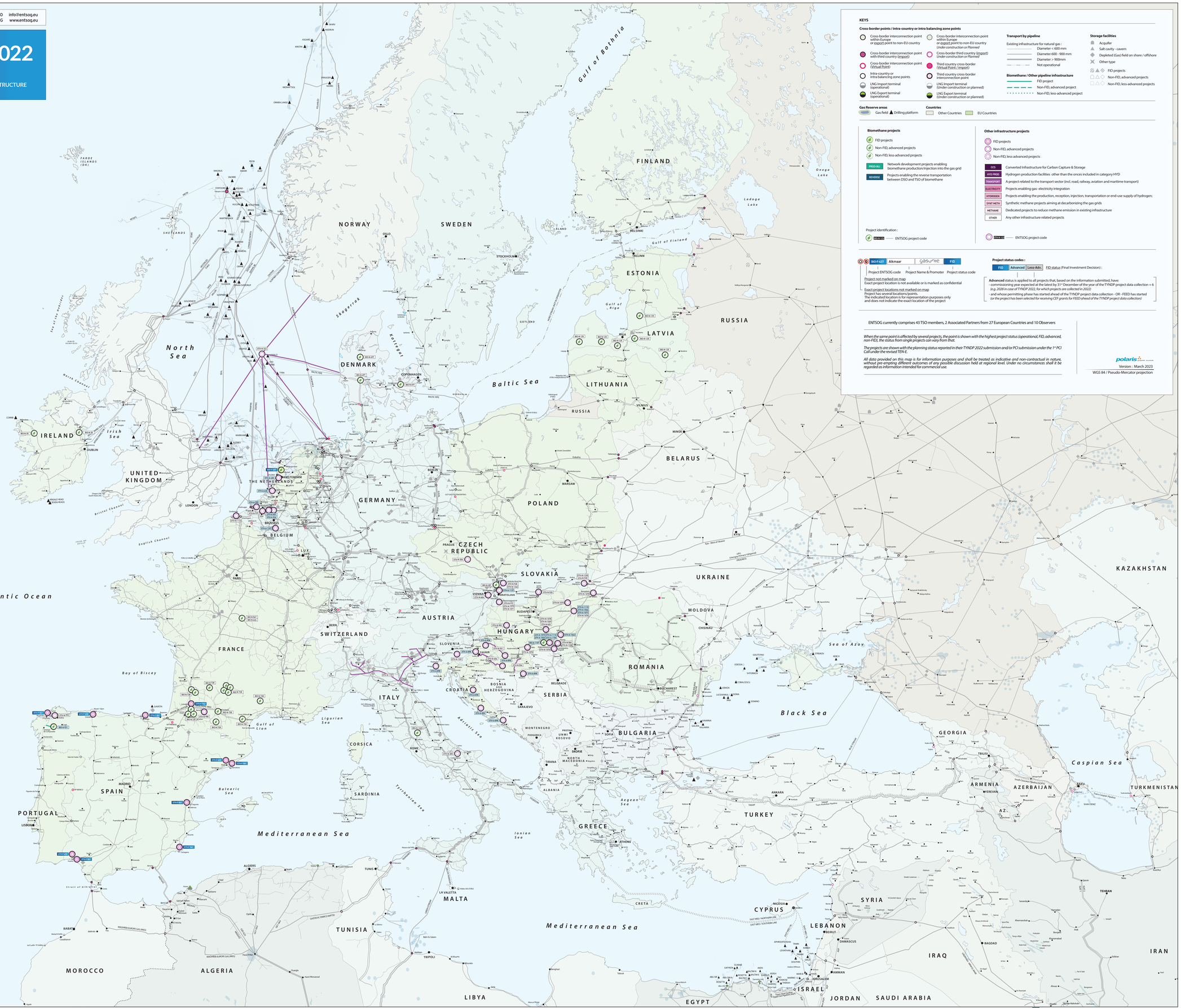
BIOMETHANE & OTHER INFRASTRUCTURE

BIOMETHANE DEVELOPMENT PROJECTS

BIO-F-437	Supercritical water gasification demonstration facility Alkmaar	gasunie	FID	PROD-INJ
BIO-A-511	Circular economy waste to biomethane		Advanced	PROD-INJ
BIO-A-110F	Energy conversion waste organic materials to biomethane in Zwara	HOST	Advanced	PROD-INJ
BIO-N-26	DNV Sustainable Renewable Gas Central Grid Injection Project	DNV	Less-Adv.	PROD-INJ
BIO-N-134	Implementation of smart solutions for injection of renewable gases	CONNECTIS	Less-Adv.	PROD-INJ
BIO-N-347	Production of biomethane as a fuel for compressors	nature energy	Less-Adv.	PROD-INJ
BIO-N-407	Reverse flow biomethane Denmark vol. 2	ENERGINET	Less-Adv.	REVERSE
BIO-N-541	Biomethane - Reverse flow Projects	TRAPEZA	Less-Adv.	REVERSE
BIO-N-546	Biomethane Reverse flow projects		Less-Adv.	REVERSE
BIO-N-731	Biomethane connection of production units	TRAPEZA	Less-Adv.	PROD-INJ
BIO-N-1304	Biomethane productions interconnection		Less-Adv.	PROD-INJ

OTHER INFRASTRUCTURE RELATED PROJECTS

OTH-F-741	CORE LNGas hive and LNGHIVE2 Infrastructure & logistic solutions		FID	TRANSPORT
OTH-F-757	Railway P+Ug roadmap, Transbordmatten to LRS, Bingas, e-fuels & H2		FID	TRANSPORT
OTH-F-762	Impulse 2025	TRANSNET	FID	ELECTRICITY
OTH-A-368	H2GPRIme Zeebrugge	Fluxys H2	Advanced	HYD PROD
OTH-A-401	Armenia@C	Fluxys H2	Advanced	CCS
OTH-A-430	Porthos	Porthos	Advanced	CCS
OTH-A-498	CNG filling station system development (CrossBuyCar project)	PUNOR	Advanced	TRANSPORT
OTH-A-926	Power to Methanol Antwerp		Advanced	OTHER
OTH-A-1062	Power conversion with fuel cell in Kardeksil (VES)	HOST	Advanced	HYDROGEN
OTH-A-1064	Replacement of boilers in Zwana and Hajduszoboszlo (VES)	HOST	Advanced	METHANE
OTH-A-1073	Sector coupling with installing and relocating compressor units	HOST	Advanced	HYDROGEN
OTH-A-1106	Synthetic methane production in Zwara (VES w/ electricity balancing)	HOST	Advanced	SYNT METH
OTH-A-1119	Reduction of methane emission with portable compressor	HOST	Advanced	METHANE
OTH-A-1267	CO2 Export & Transmission Facilities	Fluxys	Advanced	CCS
OTH-A-1397	Reduction of methane emissions in VDS Lab	PUNOR	Advanced	METHANE
OTH-N-385	ORGASOL	ORGAL	Less-Adv.	SYNT METH
OTH-N-561	Greening of Gas (SoG)		Less-Adv.	OTHER
OTH-N-567	North Sea Wind Power Hub	ENERGINET TRANSNET	Less-Adv.	HYDROGEN
OTH-N-583	Hydrogen production for fuel gas at Kårstø(VES)		Less-Adv.	HYD PROD
OTH-N-586	SAFA aquifer CO2 transmission cluster	PUNOR	Less-Adv.	CCS
OTH-N-587	ERAMA aquifer CO2 transmission cluster	PUNOR	Less-Adv.	CCS
OTH-N-588	Dolpie aquifer CO2 transmission cluster	PUNOR	Less-Adv.	CCS
OTH-N-589	Establishing power plant cap. to use max. 25% H2 at Sjølinge 1 VES		Less-Adv.	ELECTRICITY
OTH-N-590	P2GAA		Less-Adv.	ELECTRICITY
OTH-N-591	Measures for the reduction of methane emissions		Less-Adv.	METHANE
OTH-N-592	Green Carbon Hub	Fluxys H2	Less-Adv.	CCS
OTH-N-692	Methane emission red. booster compressor Masseinargarstad CS		Less-Adv.	METHANE
OTH-N-693	Portable compressor to reduce methane emission		Less-Adv.	METHANE
OTH-N-694	Pyrolysis	TRAPEZA	Less-Adv.	CCS
OTH-N-993	LNG Hub 2nd phq for marine fuel		Less-Adv.	TRANSPORT
OTH-N-1044	Methane emission reduction booster compressor at Kårstø(VES)		Less-Adv.	METHANE
OTH-N-1045	Methane emission reduction at T-compressor station		Less-Adv.	METHANE
OTH-N-1046	Hydrogenation of methane hydrate at Heimdalgassanlegget CS		Less-Adv.	OTHER
OTH-N-1111	CO2 network in Dunkirk		Less-Adv.	CCS
OTH-N-1117	CO2 Grid Italy		Less-Adv.	CCS
OTH-N-1123	Reduction of transmission system methane emissions		Less-Adv.	METHANE
OTH-N-1194	Green H2 at CSD1		Less-Adv.	HYD PROD
OTH-N-1195	Modernisation of compressor units	PUNOR	Less-Adv.	HYDROGEN
OTH-N-1196	Hydrogen production for Sjølinge at Sjølinge 1 VES		Less-Adv.	HYD PROD



KEYS

Cross-border points / intra-country or intra balancing zone points

- Cross-border interconnection point within Europe or export point to non-EU country
- Cross-border interconnection point with third country (import)
- Cross-border interconnection point (Virtual Point)
- Intra-country or intra balancing zone points
- LNG Import terminal (operational)
- LNG Export terminal (operational)
- Cross border interconnection point within Europe or export point to non-EU country *Under construction or Planned*
- Cross-border third country (import) *Under construction or Planned*
- Third country cross-border (Virtual Point / import)
- Third country cross-border interconnection point
- LNG Import terminal (Under construction or planned)
- LNG Export terminal (Under construction or planned)

Transport by pipeline

Existing infrastructure for natural gas :

- Diameter < 600 mm
- Diameter 600 - 900 mm
- Diameter > 900mm
- Not operational

Biomethane / Other pipeline infrastructure

- FID project
- Non-FID, advanced project
- Non-FID, less-advanced project

Storage facilities

- Acquifer
- Salt cavity - cavern
- Depleted (Gas) field on shore / offshore
- Other type
- FID projects
- Non-FID, advanced projects
- Non-FID, less-advanced projects

Gas Reserve areas

- Gas field
- Drilling platform

Countries

- Other Countries
- EU Countries

Biomethane projects

- FID projects
- Non-FID, advanced projects
- Non-FID, less-advanced projects
- PROD-INJ — Network development projects enabling biomethane production/injection into the gas grid
- REVERSE — Projects enabling the reverse transportation between DSO and TSO of biomethane

Project identification :

BIO-N-101 — ENTSOG project code

Other infrastructure projects

- FID projects
- Non-FID, advanced projects
- Non-FID, less-advanced projects
- CCS — Converted Infrastructure for Carbon Capture & Storage
- HYD PROD — Hydrogen production facilities other than the onces included in category HYD
- TRANSPORT — A project related to the transport sector (incl. road, railway, aviation and maritime transport)
- ELECTRICITY — Projects enabling gas- electricity integration
- HYDROGEN — Projects enabling the production, reception, injection, transportation or end-use supply of hydrogen;
- SYNT METH — Synthetic methane projects aiming at decarbonizing the gas grids
- METHANE — Dedicated projects to reduce methane emission in existing infrastructure
- OTHER — Any other infrastructure related projects

OTH-N-117 — ENTSOG project code

BIO-F-437 | Alkmaar | gasunie | FID

Project ENTSOG code | Project Name & Promoter | Project status code

Project not marked on map
Exact project location is not available or is marked as confidential

Exact project locations not marked on map
Project has several locations/points.
The indicated location is for representation purposes only and does not indicate the exact location of the project

Project status codes :

FID | Advanced | Less-Adv.

FID status (Final Investment Decision) :

Advanced status is applied to all projects that, based on the information submitted, have:
- commissioning year expected at the latest by 31st December of the year of the TYNDP project data collection + 6 *(e.g. 2028 in case of TYNDP 2022, for which projects are collected in 2022)*
- and whose permitting phase has started ahead of the TYNDP project data collection - OR - FEED has started *(or the project has been selected for receiving CEF grants for FEED ahead of the TYNDP project data collection)*

ENTSOG currently comprises 43 TSO members, 2 Associated Partners from 27 European Countries and 10 Observers

When the same point is affected by several projects, the point is shown with the highest project status (operational, FID, advanced, non-FID), the status from single projects can vary from that.

The projects are shown with the planning status reported in their TYNDP 2022 submission and/or PCI submission under the 1st PCI Call under the revised TEN-E.

All data provided on this map is for information purposes and shall be treated as indicative and non-contractual in nature, without pre-empting different outcomes of any possible discussion held at regional level. Under no circumstances shall it be regarded as information intended for commercial use.

polaris

Version : March 2023

WGS 84 / Pseudo-Mercator projection

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