

Danube Ports Day 2020 / 17.11.2020

Energy topics in the framework of DIONYSUS with focus on Port Development Plans

Enns/video-conference

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Project co-funded by European Union Funds (ERDF, IPA, ENI)

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„3 Overall Objectives“ of Project DIONYSUS



(1) Enhancing the Danube Corridor's connectivity with the EU Eastern partnership and with the Black Sea riparian countries

*... modern & reliable IWT, **rail and road infrastructure in ports** have to be available to the transport operators of both freight and passengers ...*

(2) Supporting the multi-/intermodal development of the transport corridors within the Danube Region **through port development** and IWT connections with other transport modes (rail & road)

... transfers of cargo between modes should be seamless, efficient and cheap; this is facilitated by having terminals, preferably connecting more than two modes, in the right location, with the right cargo handling facilities, and the right level of capacity ...

(3) Creating **pre-requisites for further development** of Danube Transport Corridors

... assess the status and requirements of current infrastructures and transport services provision ...

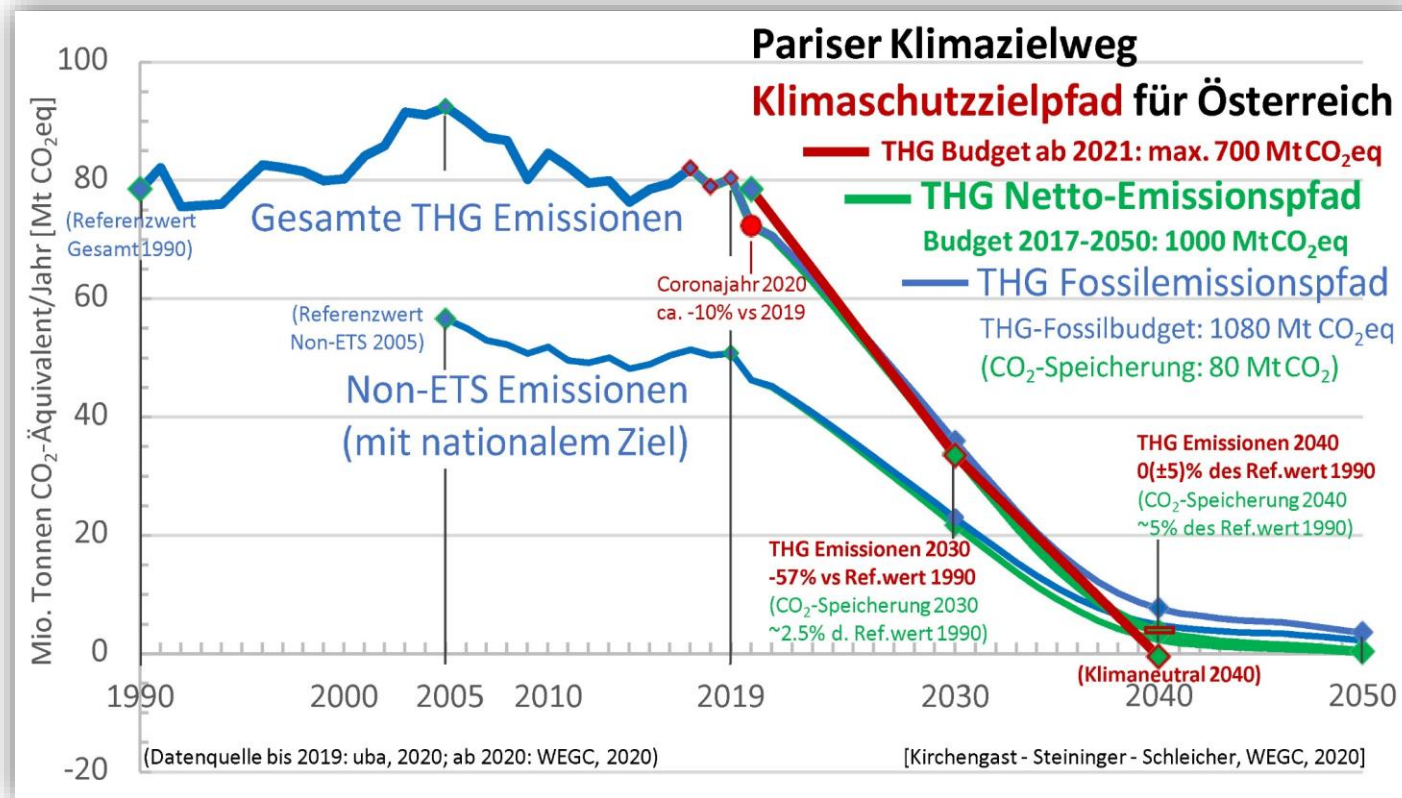
... develop ports, but where to ?

„Pilot Cases“ for Port Development



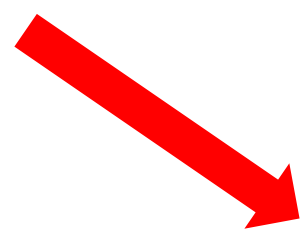
- The **main objective** of work package “**Pilot Cases**” within project DIONYSUS is the elaboration of **concrete port development plans** as well as **operational and business development plans and models** for strategically relevant DR ports in order to facilitate their integration into multi-/intermodal transport chains as well as improve their transport connections/links towards the hinterland.
- All development plans comply with **European objectives & regulations, national & regional economic strategies and regional development plans** of the related areas and are deployed fully in line with the port owners’ long-term strategies and investment plans.
 - > ***ensure alignment with specific EU Transport, TEN-T and Cohesion Policy objectives for the actual period and beyond, including the next Multiannual Financial Framework (2021 - 2027), making DIONYSUS to a key instrument to contribute the EUSDR implementation***

Decarbo Targets („Paris Agreement 2015“)



Example: one actual scenario for decarbo-targets of Austria

2020



2030/2040

„what a challenge“ !!!

don't waste time, start working

Challenges for Ports for the next 3 decades



European Commission adopted its Work Programme for 2021 (Oct 2020) - the document contains a list of all the Commission's planned and ongoing policy initiatives for the coming year, as laid out in President von der Leyen's State of the Union speech.

The initiatives are grouped under 6 headings: **A European Green Deal**, a European fit for the digital age, an economy that works for people, a stronger Europe in the world, promoting our European way of life and a new push for European democracy.

Under the heading '**A European Green Deal**' a number of initiatives have been bundled together under the package 'Fit for 55', which will serve the Commission's flagship objective of reducing emissions by 55% by 2030. Some examples ...

- Revision of the Directive on deployment of alternative fuels infrastructure (legislative, incl. impact assessment, Article 91 TFEU, Q2 2021)
- Zero pollution action plan for water, air and soil (non-legislative, Q2 2021)
- Revision of the Regulation on the trans-European transport network (TEN-T) (legislative, incl. impact assessment, Article 172 TFEU, Q3 2021)
- the European Climate Law. .

Some Consequences of Green Deal (excerpt)



Accelerating the shift to sustainable and smart mobility ...

- to achieve climate neutrality, a **90% reduction in transport emissions** is needed by 2050
- a proposal to **increase the capacity of railways and inland waterways** will be proposed “from” 2021
- calls for an **end of fossil fuel** subsidies, examine the tax exemption for maritime fuels
- the Commission will also consider including **road transport in emissions trading**
- the Alternative Fuels Infrastructure Directive will be reviewed to accelerate the **deployment of zero- and low-emission vehicles and vessels**
- support to the deployment of public **recharging and refueling points** of alternative transport fuels
- stricter **emissions standards** for combustion-engine vehicles will be proposed and by June 2021
- Construction Products Regulation will be revised so that **new and renovated buildings** are in line with the circular economy and broader climate objectives
- **green finance and investment** - at least 30% of the Invest-EU-Fund will go to fighting climate change



A picture from the bird eye's view

many buildings many roofs many areas without buildings > options for photovoltaics !!!





A look into future times

Are inland ports on the way to become power stations in 2050 ?

- Free surface areas (building & land) > Photovoltaik, Power2x, ...
- Green shipping (vessels, shore side electricity, LNG/CNG, Hydrogen, ...)
- Water, water, water low carbon and sustainable transport
- Focus point for combination of railway and waterway transport
- Focus point for sustainable materials (wood, renewables)
- Industrial areas for transport and transformation (processing)
- Huge infrastructure (quais and basins) – future „energy storage areas“
-

>>> *upcoming of new dimensions and creation of new ideas*



... back to now - „Port Development Plans“



WHY ?

The pilot case investigations of the selected ports or regions shall deliver **sound papers as the basis for future investment considerations or decisions or descriptions for EU grants applications.**

These plans shall contain **development projects** which have a real chance for execution until 2030 (planning horizon for TEN-T) - especially for **upcoming period 2021-2030, especially for CEF-II-program.**

HOW ?

Inclusion of all energy related aspects in the ports and their surroundings is necessary for these plans and **thinking “out of the box”**, looking for **synergies by cooperation** within and outside the ports.

A REALLY GREAT FOCUS IN NEW PORT DEVELOPMENT PLANS WILL BE ENERGY !



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DIONYSUS – Integrating Danube
Region into Smart & Sustainable
Intermodal Transport Chains

