



Improvement of shore-side infrastructure

Introduction

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Inland waterway infrastructure

Strategic objectives

in accordance with the Austrian “Action Programme Danube until 2022”

- **Waterway infrastructure**
Ensuring stable and predictable fairway conditions in the free-flowing sections of the Danube (Wachau, East of Vienna)
- **Lock infrastructure**
Optimisation of lock maintenance and operations
- **Shore-side infrastructure**
Develop public mooring places further in accordance with requirements of the waterway users (quantity and quality)

Upgrade of public mooring places

Objectives:

- improvement of safety
- providing facilities for a safe mooring, embarking and disembarking of the crew, transshipment of cars and access for rescue teams in case of emergencies
- improvement of supply situation for crew
- providing better access to shopping facilities, medical institutions, authorities etc.
- contribution to environmental sustainability of inland navigation
- reduction of pollutant and noise emissions by implementation of shore power

Upgrade of public mooring places

Measures:

- renovation of existing infrastructure (e.g. quay walls)
- construction of new infrastructure (e.g. dolphin rows, access bridges for crews and cars)
- implementation of shore power units
- limitation of mooring time in order to enable more vessels to benefit from improved mooring places

Upgrade of public mooring places: Pilot project in Linz (2021/22)

Conditions before upgrade:

- bollards
- inclined river bank construction (slope)
- max. time allowed for mooring: 2 weeks



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Upgrade of public mooring places: Pilot project in Linz (2021/22)

Conditions after upgrade (finished in August 2021):

- dolphin row
- access bridge for crews and cars
- max. time allowed for mooring: 48 hrs
(2hrs for car dropping facility)

Coming up soon (mid-2022)

- shore power unit (400 V) for 16 A, 32 A, 63 A
(implementation 2022)



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Autoverladeplatz Linz Mitte



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Trockengüterlande Linz Mitte



Coming up soon: Upgrade of public mooring places: Wildungsmauer (2022)

Future conditions after upgrade:

- extension to 295 m (suitable for cargo vessels)
- dolphin row
- 2 access bridges for crews and cars
- shore power unit (400 V) for 16 A, 32 A, 63 A
- ramp for rescue teams



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Coming up soon: Upgrade of public mooring places: Vienna (2022/23)

Future conditions after upgrade:

- dolphin row (extension of partial quay wall)
- 2 access bridges for crews
- 1 access bridge for cars
- shore power units (400 V) for 16 A, 32 A, 63 A

All 3 projects are part of the project „FAIRway works! in the Rhine-Danube-Corridor“ which is co-financed by Connecting Europe Facility (CEF).



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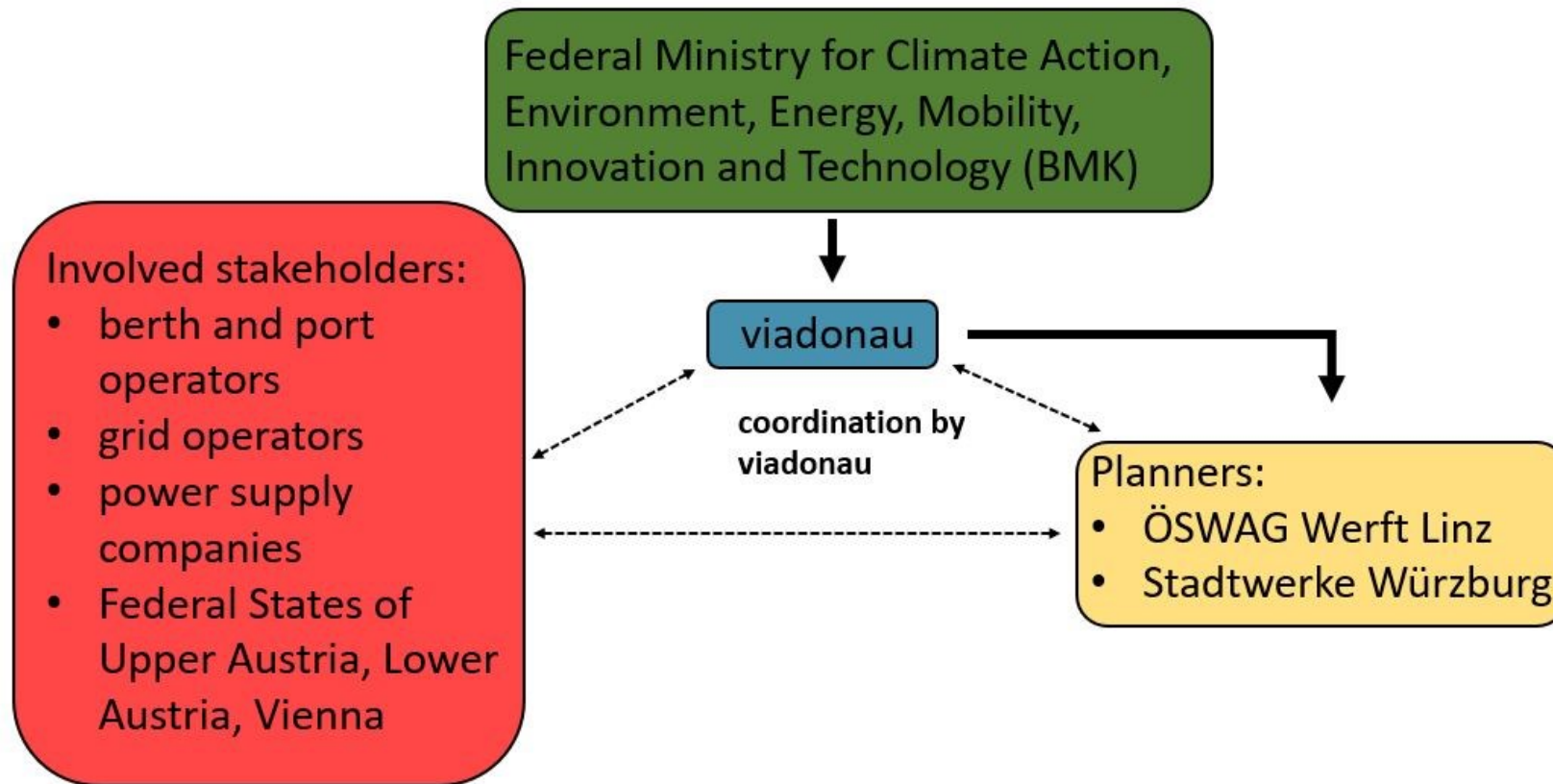
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Guideline planning “Shore power at mooring places” (finished 2019)

Coordinated by viadonau on behalf of the Federal Ministry of Climate Action, Environment, Energy, Mobility, Innovation and Technology

- **planning principles** for the installation and operation of shore power units along the Austrian Danube jointly **developed across federal states and with the support of external planners**
- covers **technical specification** of shore power units, **cost-efficiency studies** as well as a draft **organisational concept** (incl. access and charging system)
- all parties (grid operators, power supply companies, berth and port operators as well as representatives of the federal states) benefit from the **exchange of experience and know-how**

Guideline planning “Shore power at mooring places” (finished 2019)



Guideline planning “Shore power at mooring places” (finished 2019)

Preliminary outcomes

- **groundwork for pilot projects** in Upper Austria (private and public mooring places)
 - **further projects** already in planning phase
- > **roll-out** in the upcoming years in accordance with the government programme of the Austrian Federal Government



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