



# Vodíkové raňajky

PRAVIDELNÉ STRETNUTIA ČLENOV NVAS

6.12.2022



# Výkonný výbor NVAS



Výkonný výbor

**Mgr. Ján Weiterschütz, MSc.** – predseda

**Ing. Peter Hegeduš** – člen výkonného výboru

**Ing. Samuel Babjak** – člen výkonného výboru

**Ing. Peter Blaškovitš** – člen výkonného výboru

**Ing. Lukáš Zendulka** – člen výkonného výboru

# Akčný plán vodíka



Po konzultácii s ministrom hospodárstva a štátnymi tajomníkmi

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- ⦿ Zmenšiť počet opatrení
- ⦿ Určiť priority
- ⦿ Z začať realizovať opatrenia z prvej kapitoly skôr ako bude AP prijatý vládou SR
- ⦿ Posun termínu na predloženie AP vláde SR na 31.12.2023
- ⦿ Adresne pomenovať potenciálnych prijímateľov podpory z investičných opatrení

# Central European Hydrogen Bus Roadshow

Pozvánka na podujatie



9-12.1.2023

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- ⦿ V januári si môžete vyskúšať jazdu vodíkovým autobusom na linke 16
- ⦿ Trnava bude začiatkom nového roka súčasťou CEE Hydrogen Bus Roadshow – akcie pre strednú Európu, ktorá prinesie predvádzacie jazdy vodíkoveho autobusu a ukážky tankovania vodíka.
- ⦿ Využite možnosť odviezť sa bezplatne vodíkovým autobusom. Bude jazdiť od 10. do 12. januára 2023 jazdiť na linke č. 16
- ⦿ Vo štvrtok 12. januára sa uskutoční workshop o prínosoch bezemisnej vodíkovej mobility, na ktorom sa vyhodnotí skúšobná prevádzka vodíkoveho autobusu a načrtne sa vízia bezemisnej dopravy pre Trnavu i celé Slovensko.



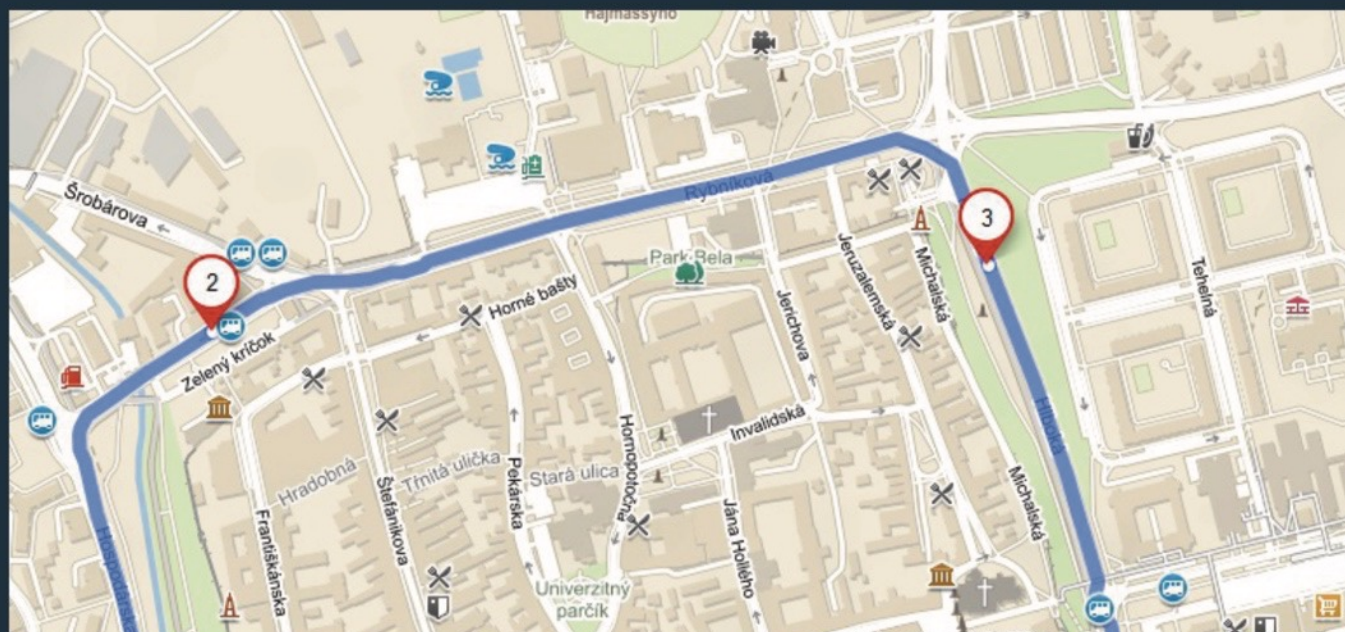


# Eastern and Central Europe Roadshow

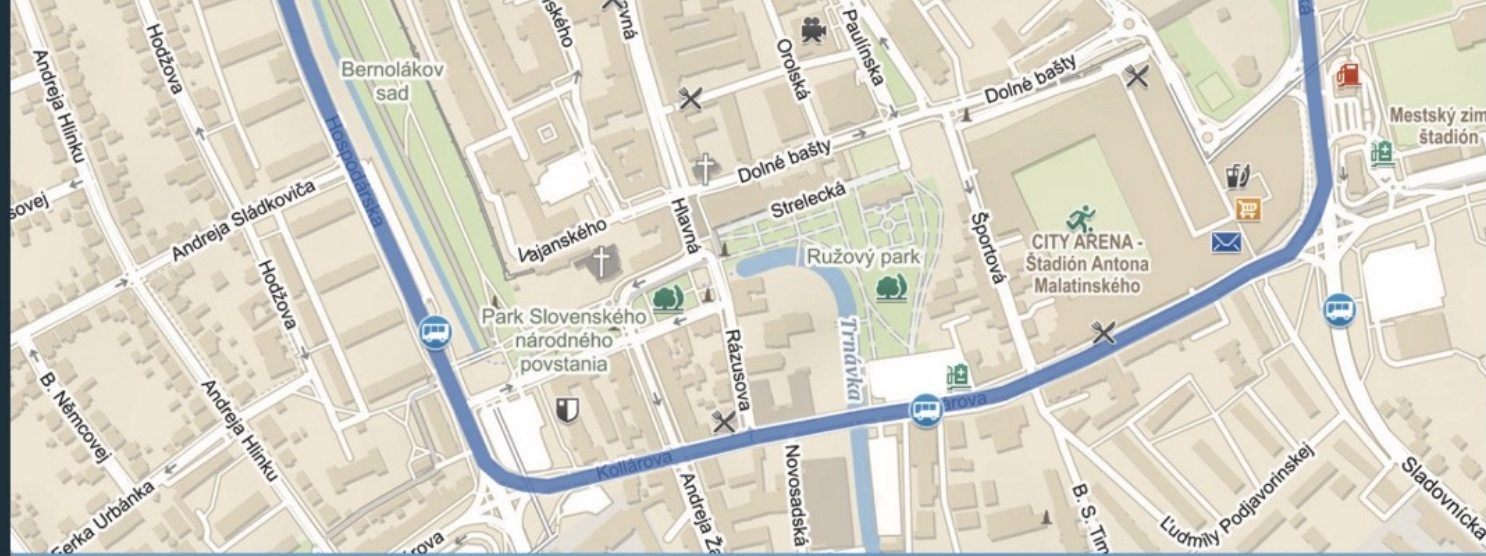


## Mapa demo jász

9.1.2023 po tlačovej konferencii 10:30–12:00







## H<sub>2</sub>.City Gold

the hydrogen fuel cell bus for your city



CaetanoBus H<sub>2</sub>.City Gold



# Eastern and Central Europe Roadshow



## PROGRAM

**9. 1. 2023**

10:00 – 10:30

10:30 – 12:00

## TLAČOVÁ KONFERENCIA

Bernolákova brána (Radlinského ul.)

Tlačová konferencia

Demo jazdy vo vodíkovom autobuse okolo historického centra Trnavy

**10–12. 1. 2023**

6:00 – 20:00

## SKÚŠOBNÉ JAZDY VODÍKOVÉHO AUTOBUSU

Linka č. 16, zastávky:

Nemečanka, Trstínska – Skladová, Trstínska – Cukrová, Š. Moyzeša – Tibenský, Š. Moyzeša, Botanická – Jednota, Prednádražie – Botanická, J. Bottu, Študentská – ZŠ, Študentská – Orion, Hospodárska, Železničná stanica, Kollárova, Sladovnícka, Bernolákova – Kriváň, Bernolákova, Koniarekova – ŽOS, Vozovka, Belgická, Nová – Nová – TMT, Nová – OC OBI





**d'akujeme**



# Summary of topics (Call 2023)

Clean Hydrogen Partnership



SRIA Pillar	Main Sub-Pillar	Topic Name	Topic Title
RENEWABLE HYDROGEN	Electrolysis	HORIZON-JTI-CLEANH2-2023-01-01	Innovative electrolysis cells for low temperature hydrogen production
RENEWABLE HYDROGEN	Electrolysis	HORIZON-JTI-CLEANH2-2023-01-02	Innovative Solid Oxide electrolysis cells for intermediate temperature hydrogen production
RENEWABLE HYDROGEN	Electrolysis	HORIZON-JTI-CLEANH2-2023-01-03	Advances in alkaline electrolysis technology
RENEWABLE HYDROGEN	Other routes of renewable hydrogen production	HORIZON-JTI-CLEANH2-2023-01-04	Photo(electro)chemical (PEC) and Photocatalytic (PC) production of hydrogen
RENEWABLE HYDROGEN	Other routes of renewable hydrogen production	HORIZON-JTI-CLEANH2-2023-01-05	Waste to Hydrogen demonstration plant
RENEWABLE HYDROGEN	Electrolysis	HORIZON-JTI-CLEANH2-2023-01-06	Valorisation of by-product O2 and/or heat from electrolysis
RENEWABLE HYDROGEN	Electrolysis	HORIZON-JTI-CLEANH2-2023-01-07	Integration of a large electrolyser and local pipeline network into an industrial cluster

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HYDROGEN STORAGE AND DITRIBUTION	Hydrogen Storage	HORIZON-JTI-CLEANH2-2023-02-01	Large-scale demonstration of underground storage
HYDROGEN STORAGE AND DITRIBUTION	Hydrogen in the Natural Gas Grid	HORIZON-JTI-CLEANH2-2023-02-02	Pre-Normative Research about the compatibility of Transmission gas grid steels with hydrogen and development of mitigation techniques
HYDROGEN STORAGE AND DITRIBUTION	Hydrogen Storage	HORIZON-JTI-CLEANH2-2023-02-03	Novel insulation concepts for LH2 storage tanks
HYDROGEN STORAGE AND DITRIBUTION	Improving Existing Hydrogen Transport means	HORIZON-JTI-CLEANH2-2023-02-04	Demonstration of high pressure (500-700 bar) supply chain
HYDROGEN STORAGE AND DITRIBUTION	HRS	HORIZON-JTI-CLEANH2-2023-02-05	Demonstration action on liquid hydrogen refuelling station for maritime, aviation and railroad applications



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HYDROGEN END-USES: TRANSPORT APPLICATIONS	Heavy-Duty Vehicles	HORIZON-JTI-CLEANH2-2023-03-01	Real environment demonstration of Non-Road Mobile Machinery (NRMM) and relevant mobile refuelling solution
HYDROGEN END-USES: TRANSPORT APPLICATIONS	Building blocks	HORIZON-JTI-CLEANH2-2023-03-02	Development of a large fuel cell stack for maritime applications
HYDROGEN END-USES: TRANSPORT APPLICATIONS	Aeronautic applications	HORIZON-JTI-CLEANH2-2023-03-03	Ultra-low NOx combustion system for aviation
HYDROGEN END-USES: CLEAN HEAT AND POWER	Fuel Cells	HORIZON-JTI-CLEANH2-2023-04-01	Development of high power and impurity tolerant fuel cells for cold ironing operating on green hydrogen grids
HYDROGEN END-USES: CLEAN HEAT AND POWER	Turbines, boilers and burners	HORIZON-JTI-CLEANH2-2023-04-02	Research on fundamental combustion physics, flame velocity and structure, pathways of emissions formation for unconventional blends of hydrogen
HYDROGEN END-USES: CLEAN HEAT AND POWER	Turbines, boilers and burners	HORIZON-JTI-CLEANH2-2023-04-03	Retrofitting of existing natural gas turbomachinery cogeneration systems for industrial sector
HYDROGEN END-USES: CLEAN HEAT AND POWER	Turbines, boilers and burners	HORIZON-JTI-CLEANH2-2023-04-04	Hydrogen burners and furnaces for heat production for hard-to-abate industries

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CROSS-CUTTING ISSUES	Sustainability, LCSA, recycling and eco-design	HORIZON-JTI-CLEANH2-2023-05-01	Product Environmental Footprint Pilot for a Set of FCH Product Categories from Hydrogen Production to Hydrogen Use
CROSS-CUTTING ISSUES	Education and public Awareness	HORIZON-JTI-CLEANH2-2023-05-02	European Hydrogen Academy
CROSS-CUTTING ISSUES	Safety, Pre-Normative Research and RCS	HORIZON-JTI-CLEANH2-2023-05-03	PNR on determination of hydrogen releases from the H2 value chain
H2 VALLEYS		HORIZON-JTI-CLEANH2-2023-06-01	Large-scale Hydrogen Valley
H2 VALLEYS		HORIZON-JTI-CLEANH2-2023-06-02	Small-scale Hydrogen Valley
STRATEGIC RESEARCH CHALLENGE		HORIZON-JTI-CLEANH2-2023-07-01	Advanced materials for hydrogen storage
STRATEGIC RESEARCH CHALLENGE		HORIZON-JTI-CLEANH2-2023-07-02	Increasing the lifetime of fuel cells and electrolyzers