



IRIS

Nice Côte d'Azur

Sustainable Places 2022

Innovative solution supporting cities transition

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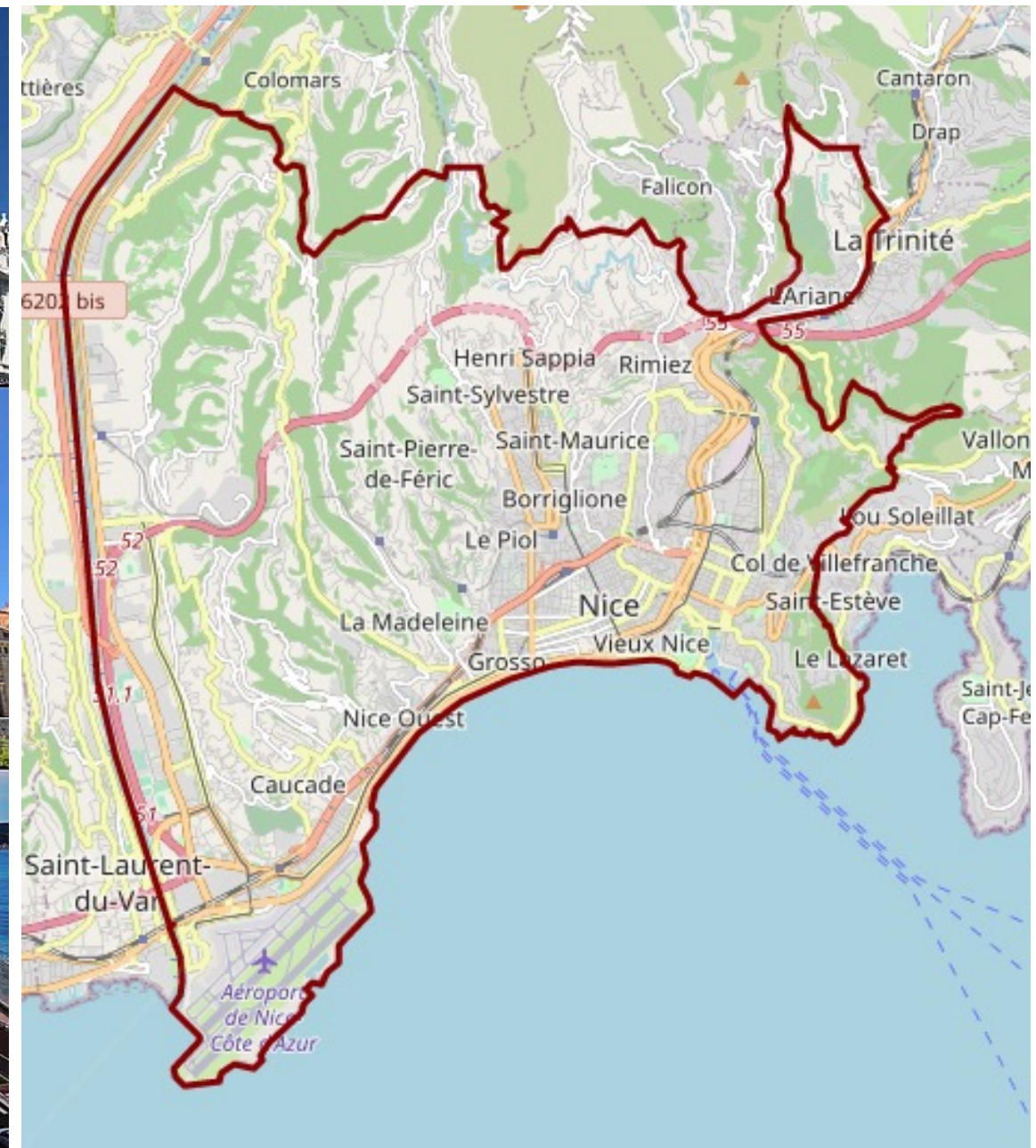
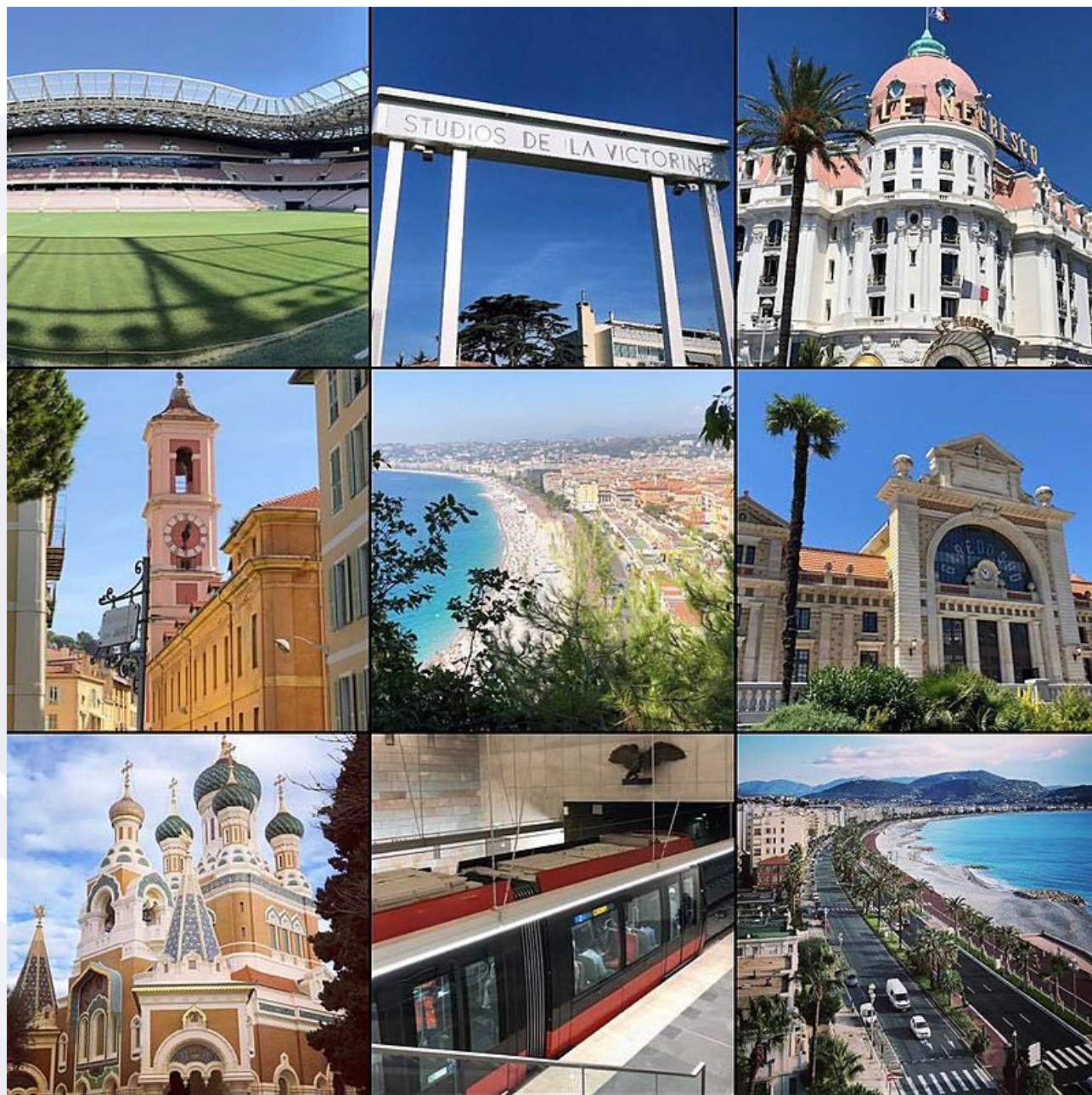
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Nice Côte d'Azur

**Delivering cheaper, better accessible and reliable energy and mobility services
for a better and more sustainable urban quality of life**

- **IRIS project : the opportunity to turn the challenges of our territory into innovation assets**
- **Nice project in a nutshell**
- **Questions**







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NICE project in a nutshell

Nice Méridia

Technopôle urbain

- 24 hectares
- 350,000 m² buildable land
- 2,500 housing units
- 5,000 potential jobs
- up to 4,000 students
- **T6.3 / T6.4 / T6.5 / T6.6**

Les Moulins

Social housing district

- 12,000 inhabitants
 - 2,500 dwellings (60's)
 - **T6.3 / T6.7**
- ZAC du Grand Arénas
Parc des expositions, logements, bureaux

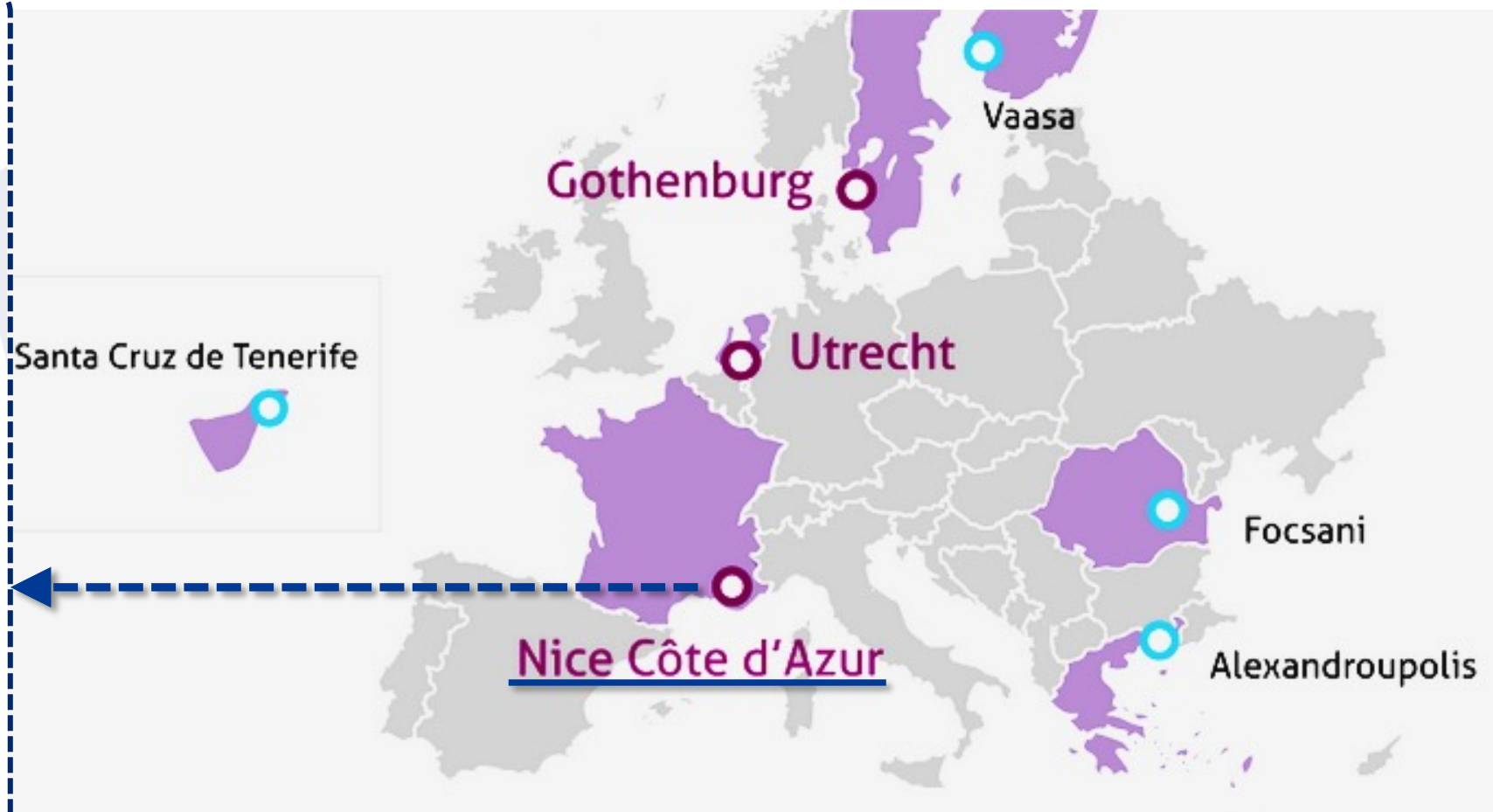
Pôle Multimodal

TGV, TER, bus à haut niveau de service, tramway, vélos, parkings relais,...

- 49 hectares
- 750,000 m² buildable land
- 2,000 housing units
- 22,000 potential jobs
- **T6.3 / T6.5 / T6.6**

Sophia Antipolis/Cannes/Marseille







T6.3 : Smart Renewables and closed-loop energy positive districts

T6.4: Smart Energy Management and Storage for Grid Flexibility

T6.5 : Smart e-Mobility Sector

T6.6 : City Innovation Platform (CIP)

T6.7 : Citizen Engagement and Co-creation

CSTB
le futur en construction

TT1

edf

TT2

vulog
CARSHARING TECHNOLOGIES

TT3

MÉTROPOLÉ
NICE CÔTE D'AZUR

TT4

engie
Cofely

TT5

IS 1.1

Positive Energy Building

IS 1.2

Near zero energy retrofit district

IS 1.2

Near zero energy retrofit district

IS 1.3

Symbiotic waste heat networks

IS 2.1

Flexible electricity grids

IS 2.2

Smart Low Temperature DHCN

IS 2.3

2nd life batteries

IS 3.1

EV Smart charging

IS 3.2

Innovative Mobility Services

IS 4.1

Sensors data collection in air quality

IS 4.2

BIM/CIM dashboard

IS 4.3

Services for mobility

IS 4.4

Services for grid flexibility

IS 5.1

Public awareness campaign Air Quality

IS 5.1

Public awareness campaign Energy

IS 5.4

Citizen individual engagement





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Solution 2 :

Energy saving : 55%

CO2 avoided : 88 T

14

Solution 1 :

Energy savings : 8%

CO2 avoided : 11 T



Keys figures :

- 12 geothermal wells,
- Depth: 5 to 10 metres,
- Groundwater temperature: between 14°C and 17°C,
- 6 km of network, one geothermal power plant



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First experimentation in France of smart charging V1G and V2G services

V1G : 17 vehicles

V2G : 3 vehicles



T6.5 – IS-3.1: Smart charging infrastructure

Survey realized by IFOP for MNCA and ATMOSUD during July 2022 :

About 37% of respondents live more than 10 km from work

For 42% average journey time last 15 to 20 minutes

Car 43%, public transport 34% and walking 18%.

48% use public transport for economic reasons and 39% for ecological reasons





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Q&A

**Nice project
coordination team**



Horizon 2020
Programme