

Traffics development and their impacts on Transalpine corridors

iMONITRAF! WP5 results

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**3rd iMONITRAF! Transport Forum
Lyon, 31. May 2012**



Repubblica e Cantone
Ticino



Indicator dataset

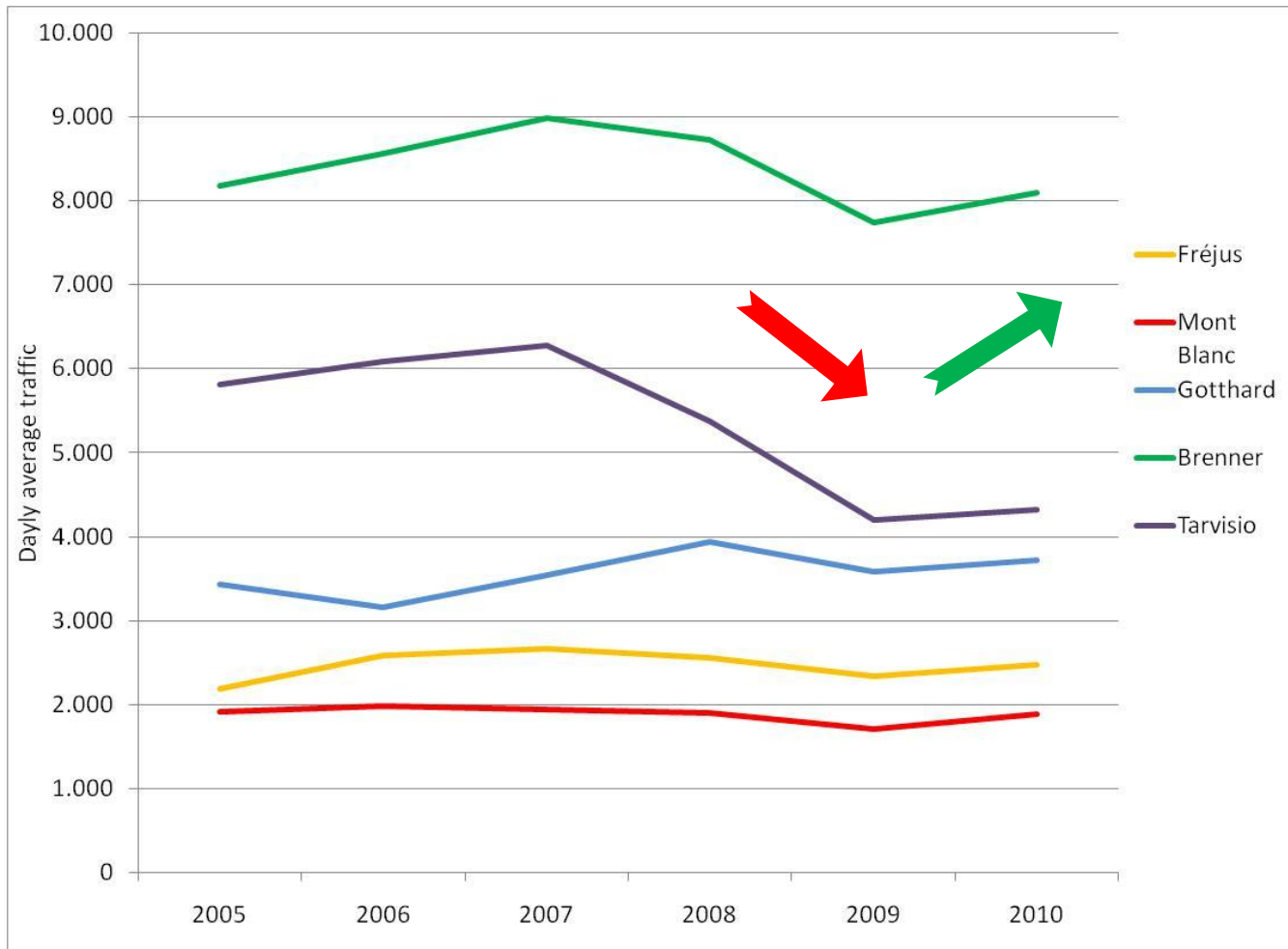
- The IMonitraf! partnership analysed a set of 12 indicators in order to evaluate the transalpine traffic effects.

INDICATORS
<i>n°01: Road traffic fluxes</i>
<i>n°02: Composition vehicle fleet</i>
<i>n°03: Rail traffic fluxes</i>
<i>n°04: Air pollutant emissions by road traffic</i>
<i>n°05: Air concentrations measured</i>
<i>n°06: Noise assessment</i>
<i>n°07: Toll prices</i>
<i>n°08: Fuel prices</i>
<i>n°09: GDP per inhabitant</i>
<i>n°10: Population exposed</i>
<i>n°11: Transport employments</i>
<i>n°12: Health impact</i>

The vehicles fluxes situation

Indicator 1

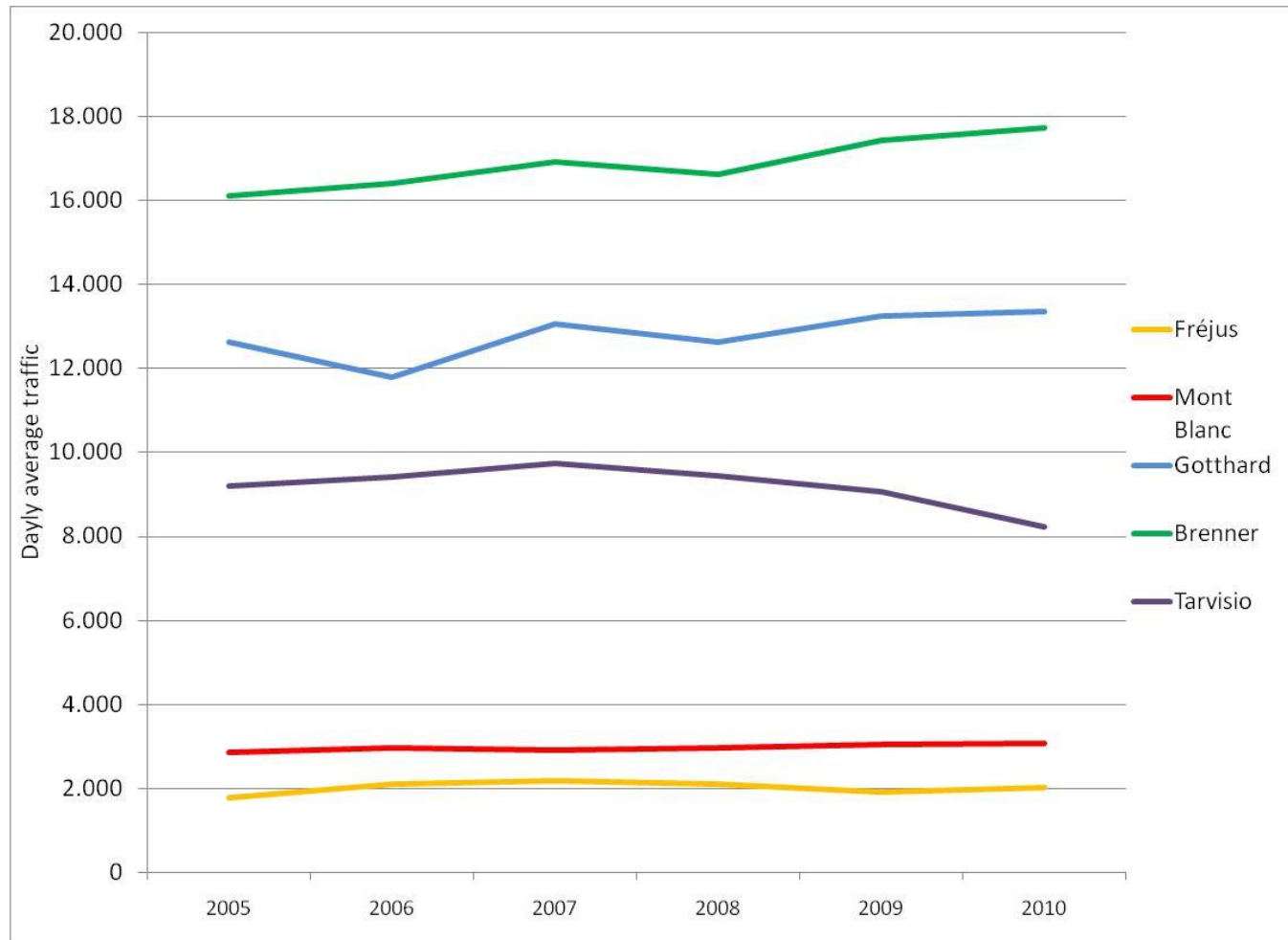
- Increase of HVs fluxes for 2010, new situation “post crisis”



The vehicles fluxes situation

Indicator 1

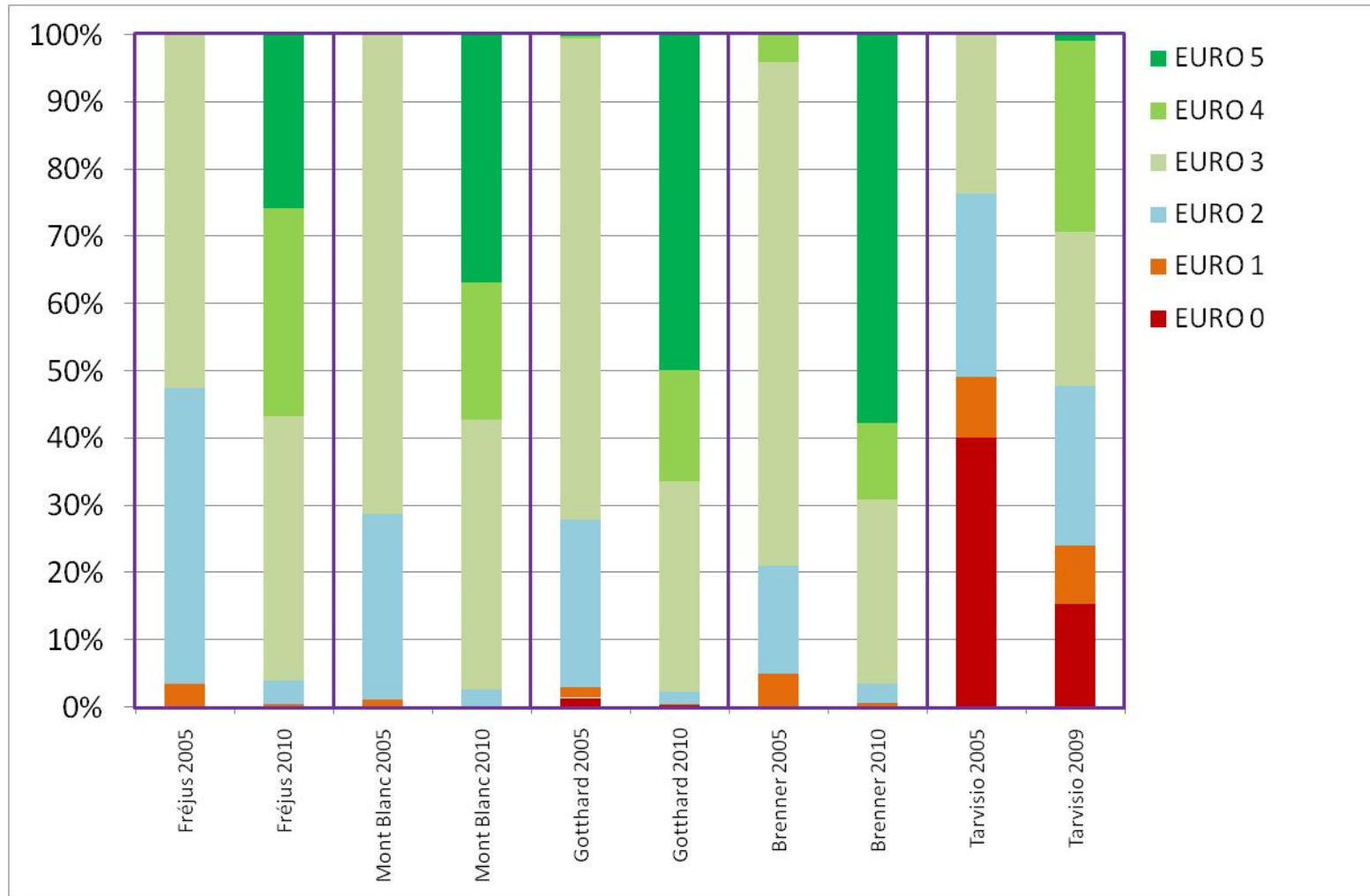
- Global increase of the LVs fluxes during the last years



The vehicles fleets trends

Indicator 2

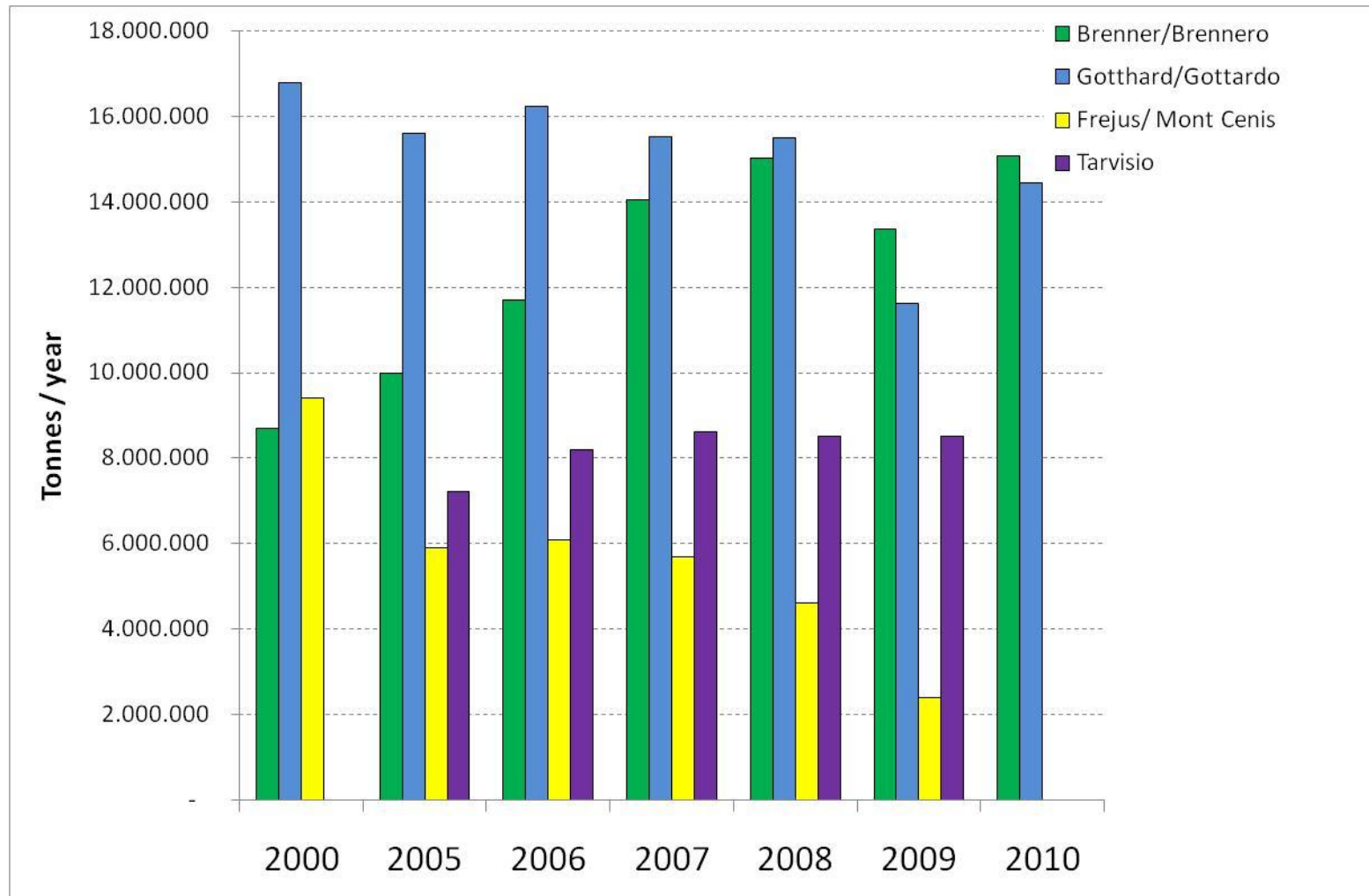
- Improving of the HVs fleets from 2005 to 2010



The rail traffic fluxes

Indicator 3

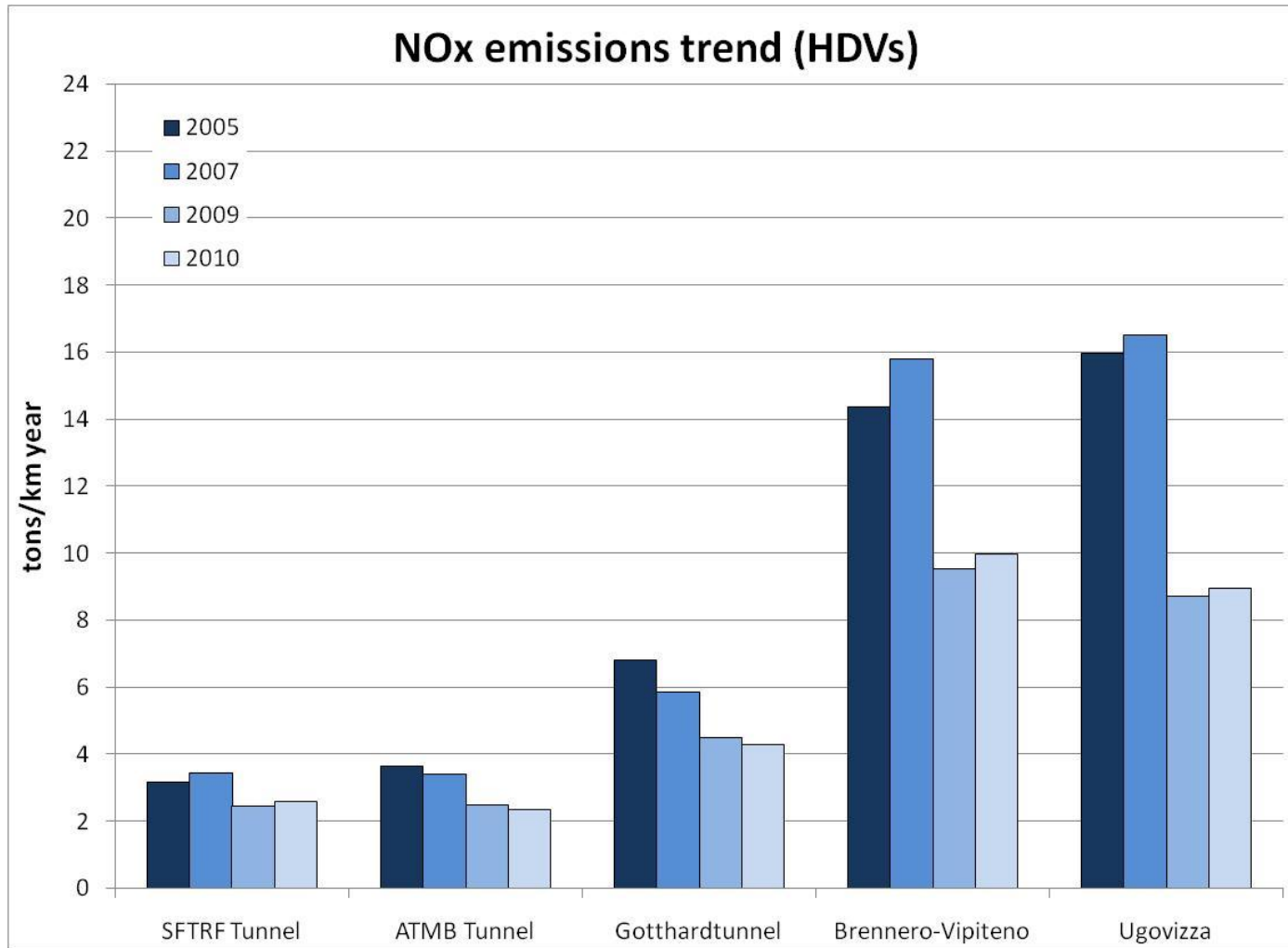
- Tonnes carried by rail: 2000-2010 trend



Air pollutant emissions by road traffic

Indicator 4

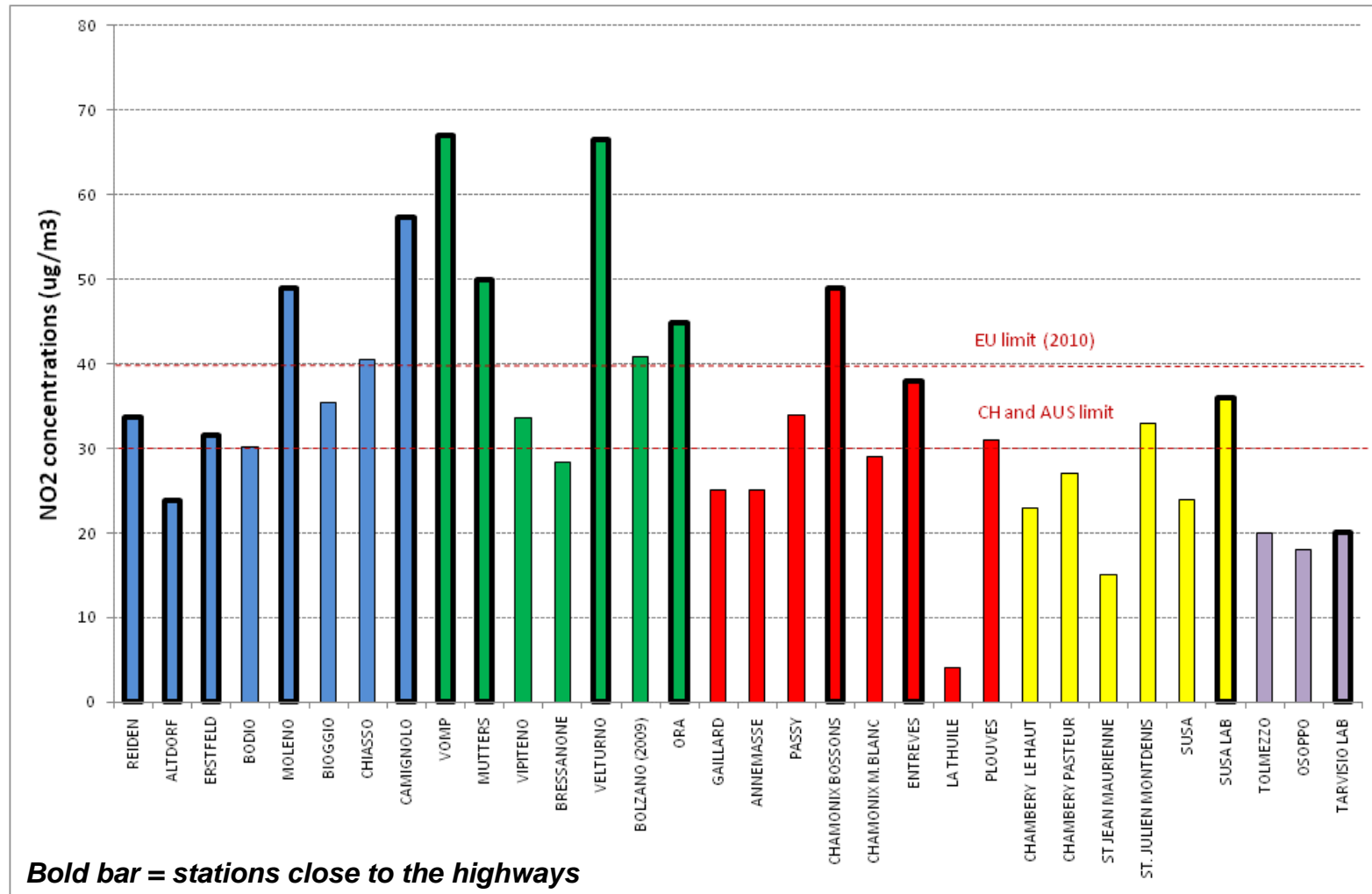
- Nitrogen Oxides



Air pollutant concentrations measured

Indicator 5

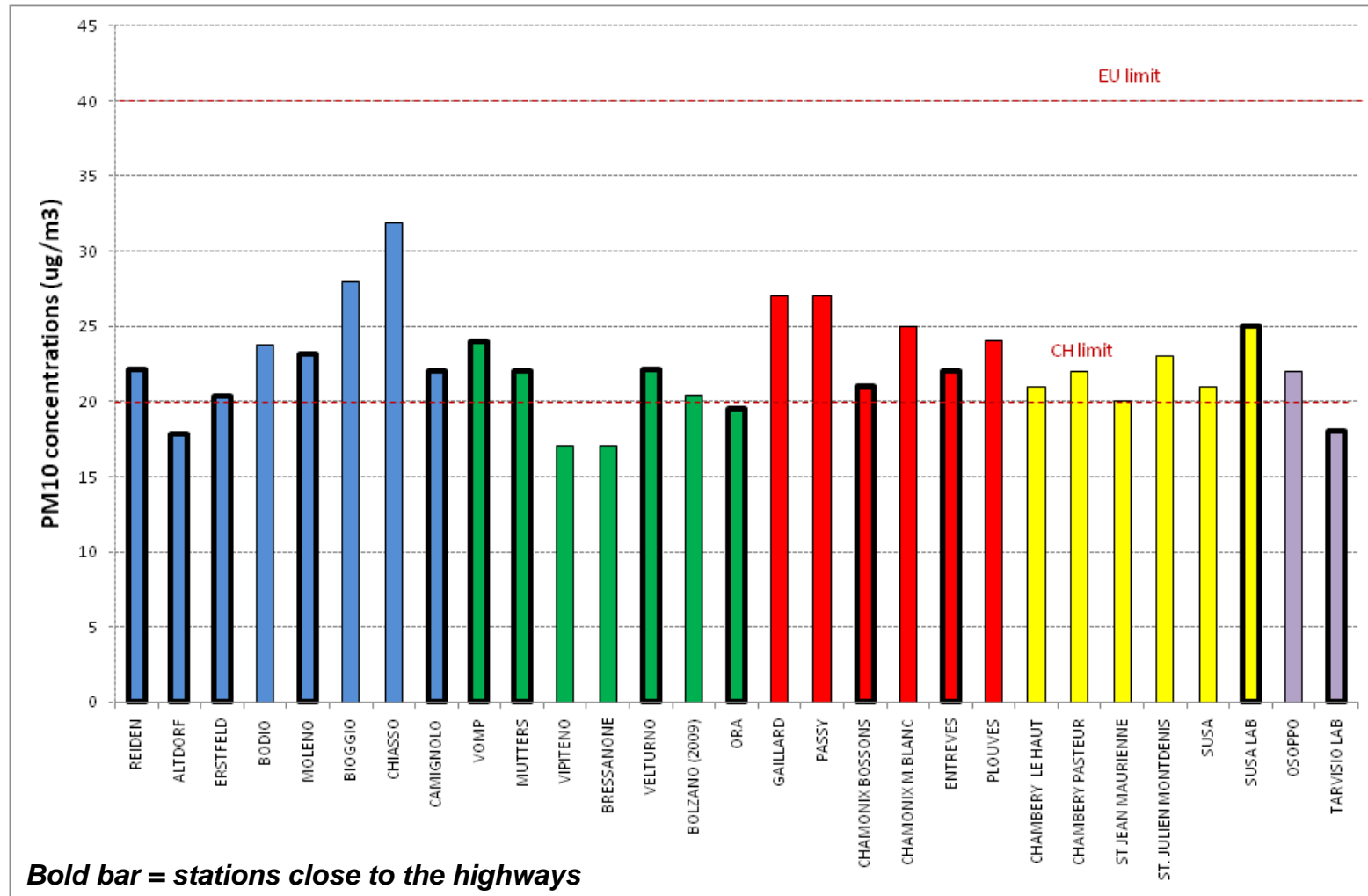
- NO₂ - average concentrations (2010)



Air pollutant concentrations measured

Indicator 5

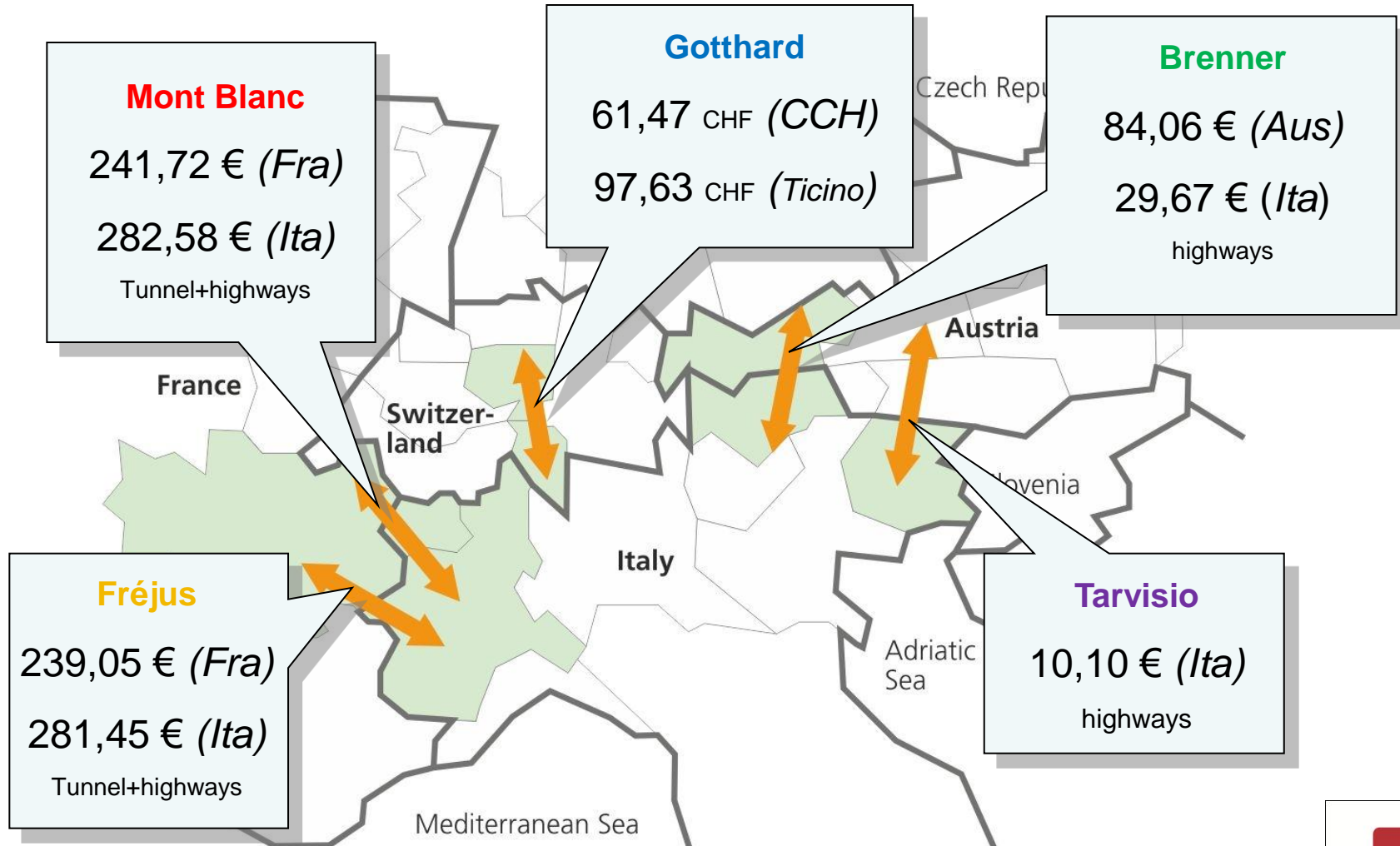
- PM10 - average concentrations (2010)



Toll prices

Indicator 7

- Toll prices for Euro 5 Heavy duty vehicle, 40 t, 5 axes



Further informations:

1) *iMONITRAF! Web GIS*

2) *WP5 brochure and posters*

3) *WP5 reports on the iMONITRAF! Web site*

