

Signs and signals for cyclists and pedestrians

THE PEP

***(Transport, Health and Environment
Pan-European Programme)***

UNICE WP1

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2017, may the 29th**

Public body, Cerema acts in support of the definition, implementation and evaluation of public policies, carried by national and local authorities.

Our regional location



Our key figures

- 3000 employees
- 220 national and international experts
- €250 M budget
- 29 sites in France
- 180 annual publications
- 66 national expertise hubs
- 33 associated research teams

Our services

- Expertise and engineering services
- Evaluation
- Methodology
- Innovation
- Tests and Monitoring Research
- Certification
- Standardisation

The pan european transport health environment program (THE PEP)

- **THE PEP joint Transport Division of UNECE, and WHO Europe.**
- **It aims to bring together key players from the three sectors on an equal footing: Transport, Health and Environment.**
- **Thus it contributes to a greener economy, safeguarding health and environment.**
- **56 countries are involved**
- **After a workshop organised in Batumi, Georgia in September 2010 dedicated to promoting walking and cycling, France offered to fund a summary of existing measures or those under negotiation at international level concerning signs and signals applicable for cycling and walking**

Signs and signals for cyclists and pedestrians

THE PEP study

Comparison of rules and practices in 13 countries

- **Study focuses on all signs in this domain: temporary, touristic, direction, etc...**
- **Questionnaire issued in 2011, with 2 main objectives: state-of-the-art + best practices.**
- **A sample of 13 countries has been selected allowing to write 2 fact sheets: one for cycling signs + one for walking signs.**
- **A synthesis give an overview of the main results**

Framework for signs and signals within countries
















- In every country the State is in charge of defining the legislation in this matter, in accordance with the Vienna Convention.
- Local authorities are “only” applying.
- That is the case in « centralised » countries like Denmark, Norway, UK, France, for instance.
- That is less the case in « federal » countries like Germany, Belgium, Austria, where the State defines a framework for the direction signs (as an example) and the region defines the sign within this framework.

Involvement of NGO's

- **In many countries there is an involvement of associations which:**
 - **propose and discuss legislation,**
 - **issue guidelines for implementation,**
 - **and communicate.**

- **Example: cycling signs in UK. Local authorities are in charge of local cycling policy but rules for signs are defined at national level + some NGOs play an important role.**

Walking and cycling in the Vienna Convention

Police signage for pedestrians and cyclists in the Vienna Convention							
C3c	C3i	D4a	D5	D11a	D11b	E9d	E12a
							
No cycling	No pedestrians	Cycle path compulsory	Pedestrian footpath compulsory	Dedicated cycle and pedestrian lane; separate spaces	Dedicated cycle and pedestrian lane; common space	30 km/h max. speed zone	Pedestrian crossing (position)
E12b	E12c	E17	F9	G20	G21		
							
Pedestrian crossing (position)	Pedestrian crossing (position)	Home zone	Symbol of a location used as the starting point of walking tour	Footbridge or underpass	Footbridge or underpass without steps	Marking showing cycle path crossing	

The PEP : developing walking and cycling

- **Many change in cities mobility since the Vienna convention in 1968**

This goes with need to give informations to all users, express new rules.

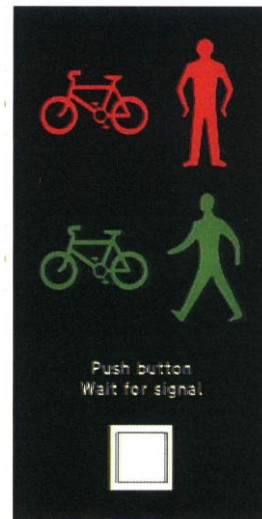
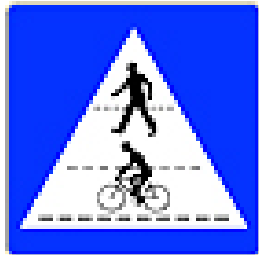
Some countries have created new signs using the vocabulary of the Vienna Convention.

Considering the good results with respect to safety and increased cycling or pedestrian mobility, other countries want to implement the same type of facilities.

Better as people travel cycle and walk in other counties to set some common principles for pedestrian and cyclists signs and signals

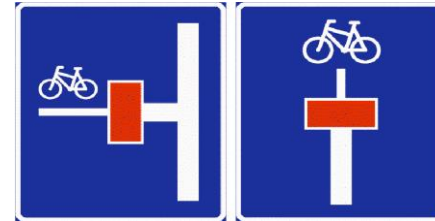
New regulatory signs and signals related to cycling and walking

*New usage, need for new signs and signal
common or adjoining crossing
for cycling and pedestrian*



New usage, need for new signs

No through traffic except for pedestrian, cyclist or both



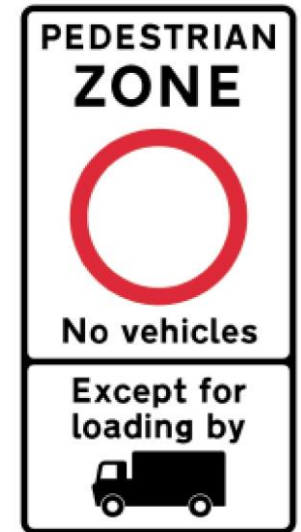
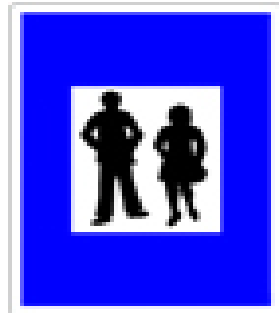
*New usage, need for new signs
shared road pedestrian cyclist and horses*



Regulatory signs and signals related to walking

New usage, need for new signs

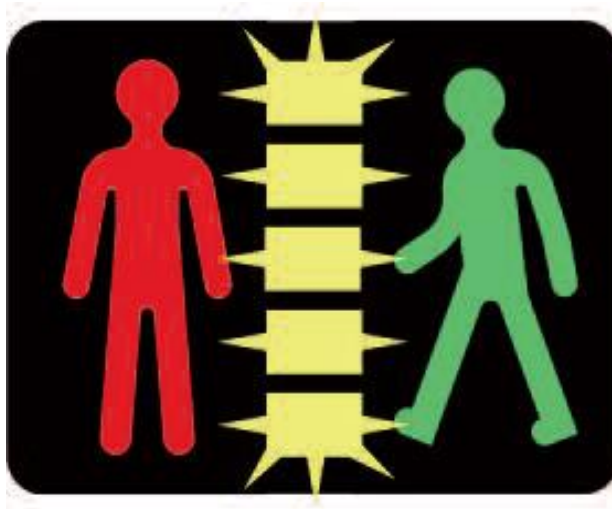
Pedestrian Zone



New usage, need for new signals
pedestrian signals for guided bus, lightrail or train crossing



New usage, need for new signals
pedestrian signal for smart pedestrian crossing



New usage, need for new signals
pedestrian signal with counting system



*New usage, need for new signs
crossings where there are many frail or disabled persons*



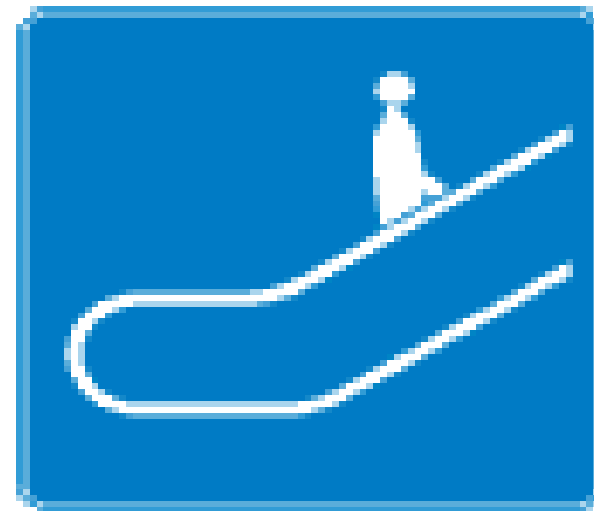
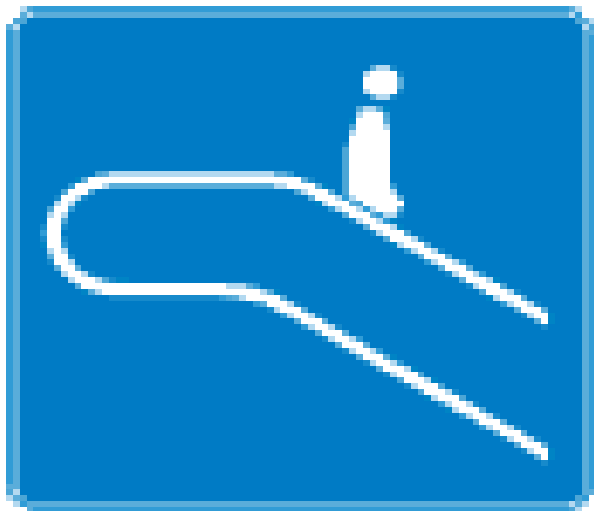
*New usage, need for new signs
crossing where a person is present to help*



*New usage, need for new signs
skiers crossing*



*New usage, need for new signs
escalator*



*New usage, need for new signs
pedestrians on the road*



Signs for 1edesgtrians Walking Along Roads with No Footpaths

Bangladesh	Israel	Malta	Nepal	Singapore	UK
Cyprus	Hungary	Sweden	Slovakia	Estonia	HK China

Note: Israel's sign is used differently – in high volume areas of pedestrian traffic (theaters, stadiums, schools).

Source amazing designs

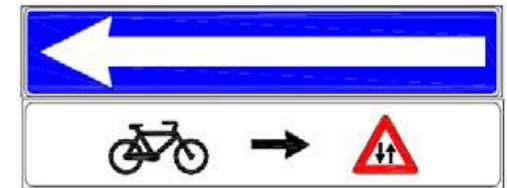
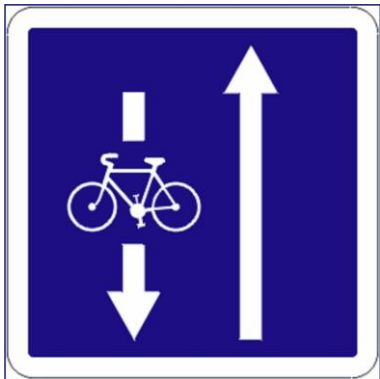
New regulatory signs and signals related to cycling

*New usage, need for new signs
cyclist in the opposite way in a one way street*

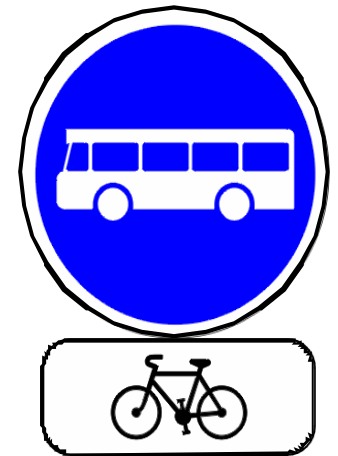
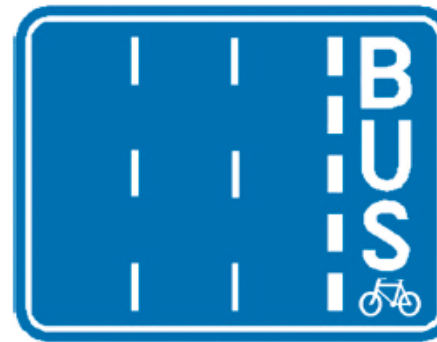
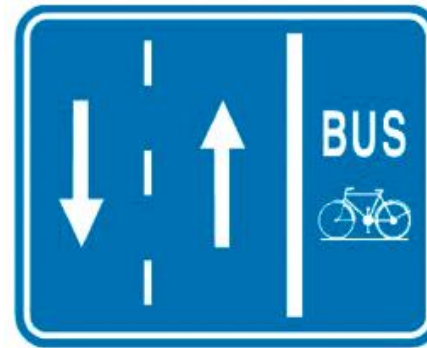


New usage, need for new signs

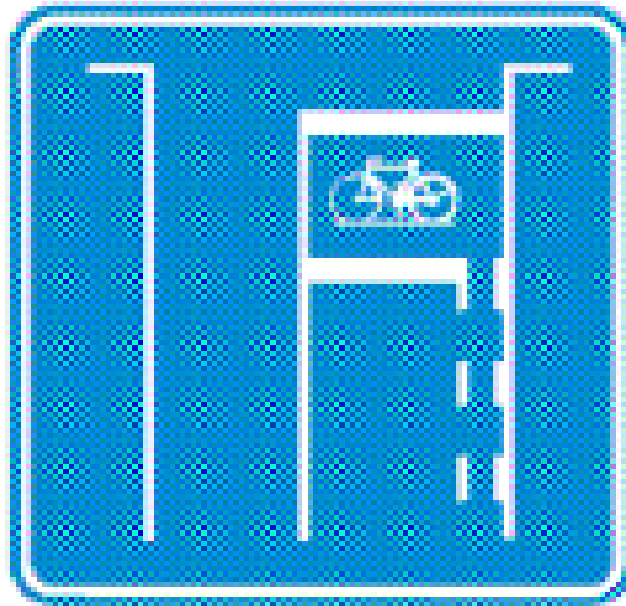
warning drivers at junction that a cyclist might come in the opposite way from one way street



*New usage, need for new signs
bus and cyclist are sharing a lane*



New usage, need for new signs
Waiting lane for cyclist at traffic lights

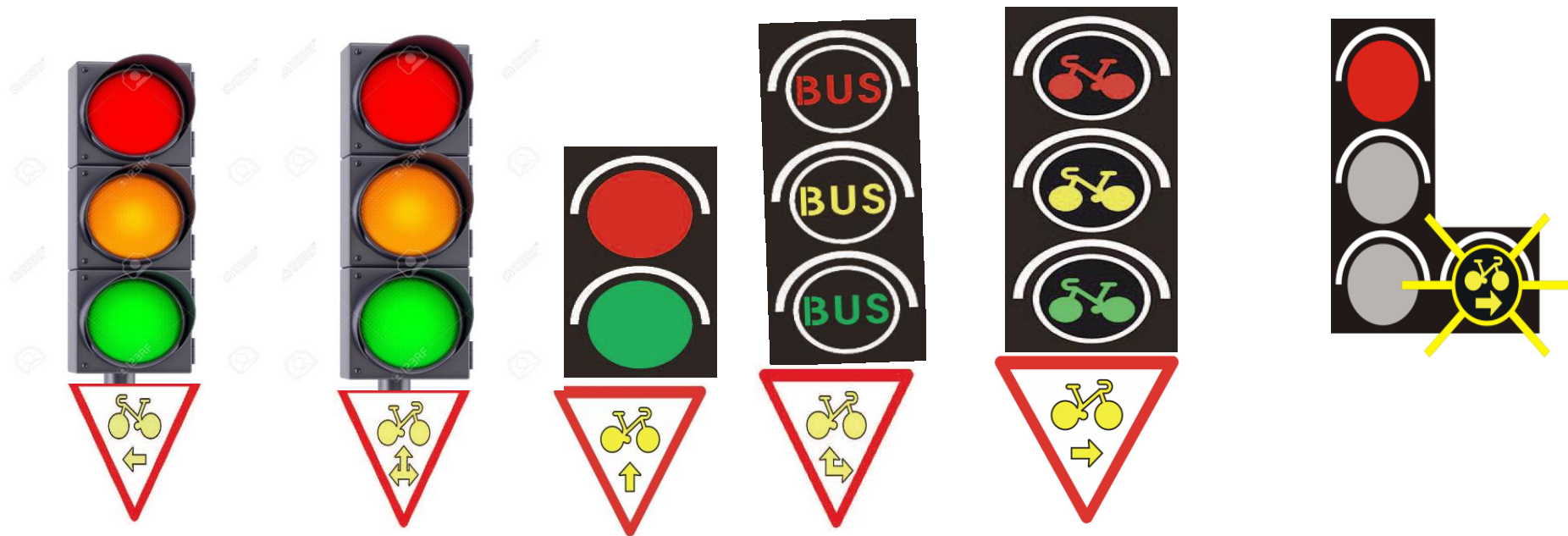


*New usage, need for new signs
« cyclestreet »*



New usage, need for new signs

« give the way » for cyclists at traffic signal

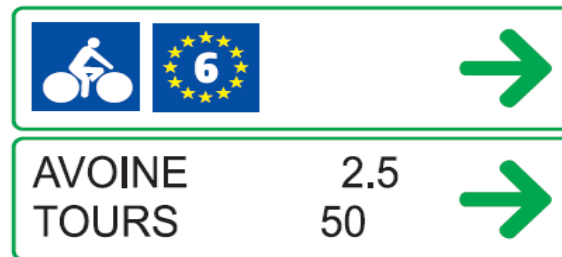
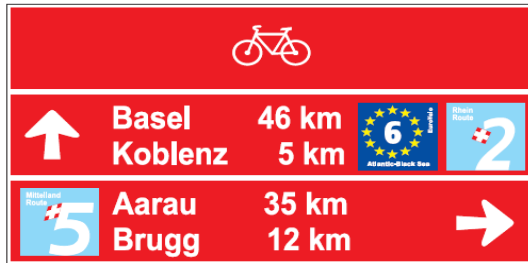


- **Need to accept that a fixed sign can take over a traffic signal**

Direction signs for cyclists and pedestrians

Cyclist direction signs

consolidated resolution on road signs and signals annex XIb



Pedestrian direction signs



Thank you for your attention

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