Barthold Van Acker
Chair of UNECE Working Party
on Inland Water Transport (SC.3)

Promoting RIS at a
Pan-European Level

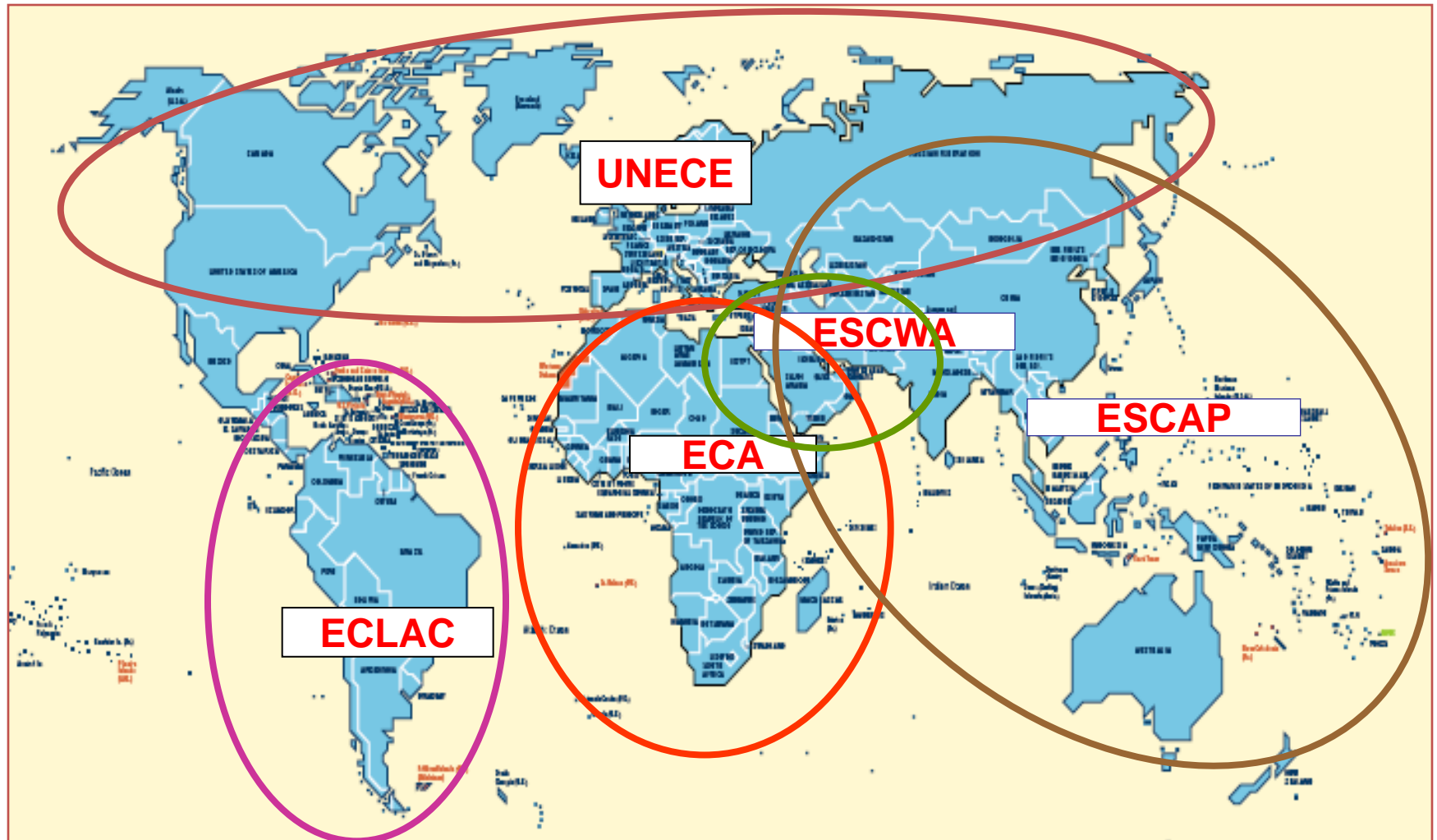# Activities and Lessons Learned

Fifth CCNR RIS Workshop

17 November 2017, Strasbourg

UN Regional Commissions

UNECE: Scope of Activities

ENVIRONMENT

TRANSPORT

TRADE

INNOVATION AND COMPETITIVENESS

SUSTAINABLE ENERGY

HOUSING AND LAND MANAGEMENT

FORESTS

POPULATION

STATISTICS

UNECE
Inland Transport Committee

UNECE and the …

2030 SUSTAINABLE DEVELOPMENT AGENDA

UNECE is actively engaged in work related to 16 of the 17 Sustainable Development Goals, with significant involvement in 10 of them:

UNECE & IWT & Promoting RIS

3 prime areas of interest for IWT

- Introduction of New Technologies
- Sustainable & Efficient Transport
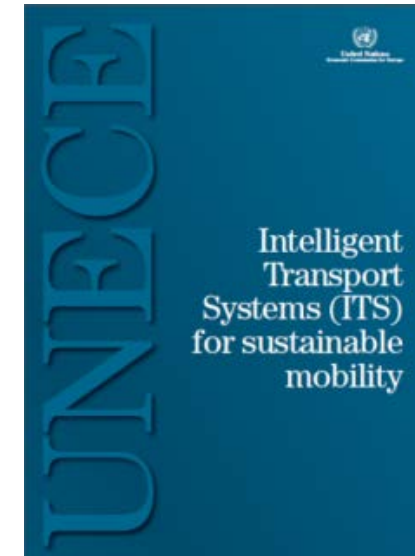- Technical Standards:
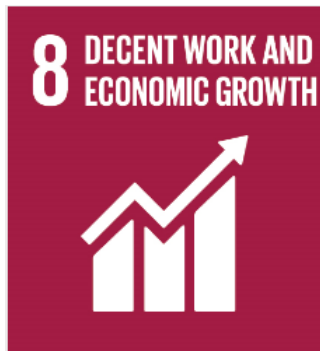 Harmonization & Unification

IWT & **New Technologies**

Intelligent Transport Systems on Inland Water Transport

A **road map for 2012-2020** to promote ITS global actions
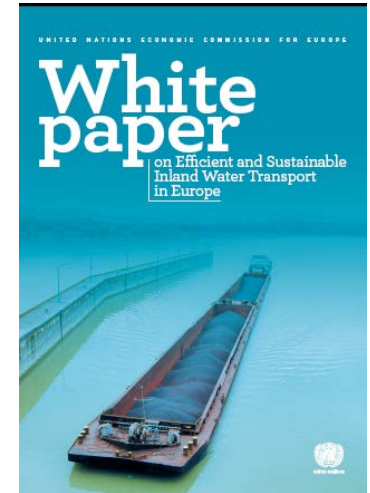**Action 14**: Integrating with IWT

Contribution to SDGs

Sustainable & Efficient IWT
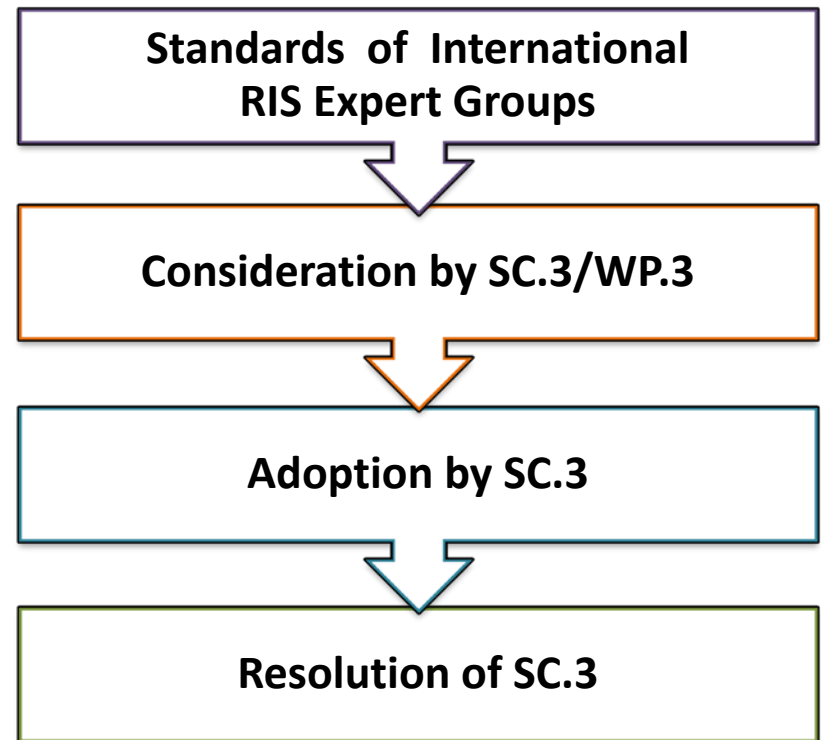## Priority Areas

- **Policy Recommendation No 3**
  Promote the use of River Information Services (RIS) and other information communication technologies (ICT)

- **Strategy 2021 & Vision 2030**
  (endorsed by ITC in February 2017)
  Integrated pan-European infrastructure and services for Inland Waterway Transport

- **Overarching goals and objectives 2016-2021**
  Fostering RIS and other ICT in all UNECE Member States

UNITED NATIONS ECONOMIC COMMISSION FOR EUROPE

White paper
on Efficient and Sustainable Inland Water Transport in Europe

UNECE
Inland Transport Committee

Technical Standards
Harmonization & Unification Process

- Started in 2001 with Resolution No. 48

- Pan-European standards based on those developed by International RIS Expert Groups

- In consultation with River Commissions

```
┌─────────────────────────────────┐
│  Standards of International      │
│  RIS Expert Groups              │
└─────────────────────────────────┘
              ↓
┌─────────────────────────────────┐
│  Consideration by SC.3/WP.3      │
└─────────────────────────────────┘
              ↓
┌─────────────────────────────────┐
│  Adoption by SC.3                │
└─────────────────────────────────┘
              ↓
┌─────────────────────────────────┐
│  Resolution of SC.3              │
└─────────────────────────────────┘
```

UNECE
Inland Transport Committee

Relevant **UNECE Resolutions**

Resolution No. 48, Revision 3 - 2015
Recommendation on electronic chart display and information system for inland navigation (Inland ECDIS)

Resolution No. 57, Revision 1 – 2011
Guidelines and Recommendations for River Information Services

Resolution No. 58 - 2004
Guidelines and Criteria for Vessel Traffic Services on Inland Waterways

Resolution No. 63, Revision 1 - 2014
International Standard for Tracking and Tracing on Inland Waterways (VTT)

Resolution No. 79 - 2014
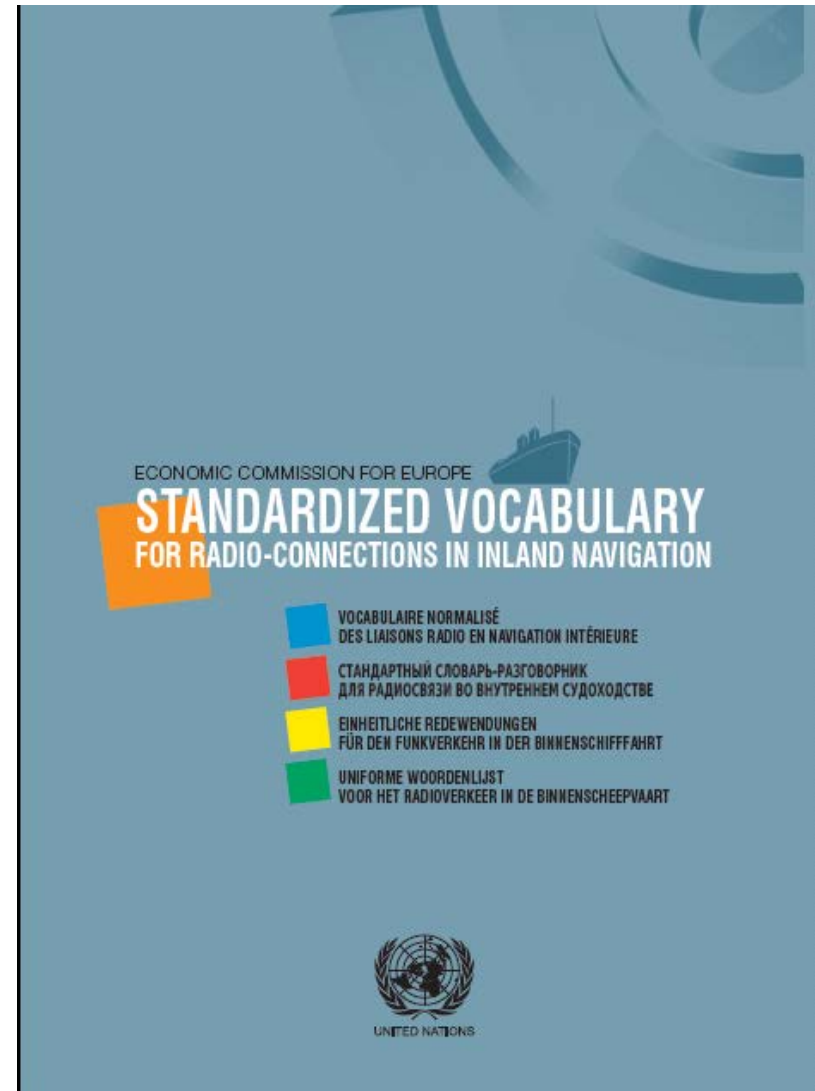International Standards For Electronic Ship Reporting In Inland Navigation (ERI)

Resolution No. 80 - 2014
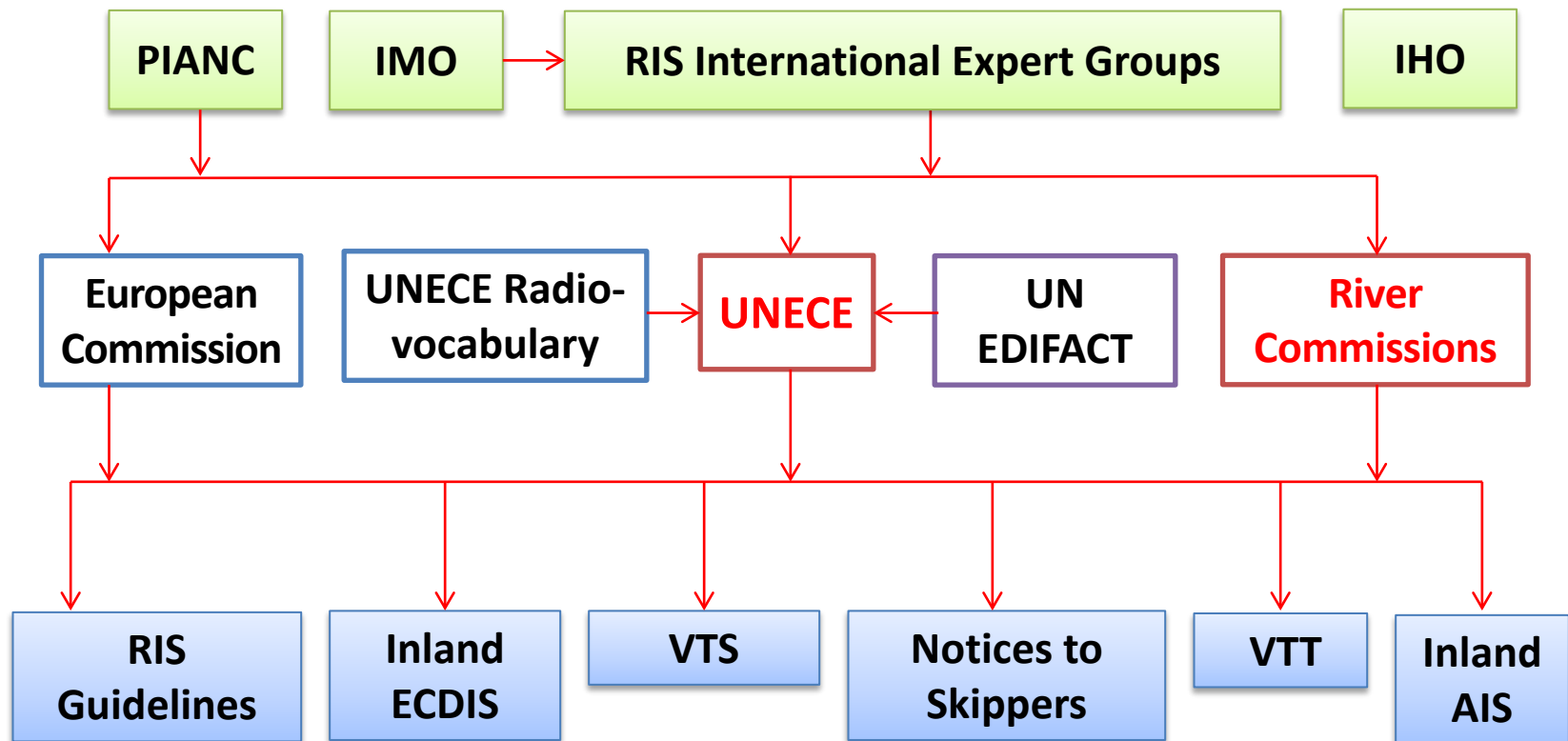International Standards For Notices To Skippers (NtS)

Relevant **UNECE Resolutions** (cont.)

Resolution No. 35
Standardized vocabulary for
radio-connections in inland navigation
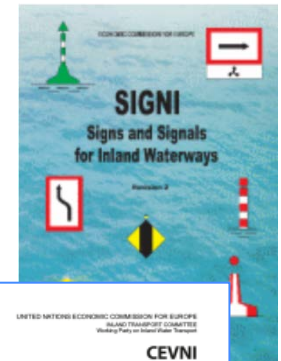
UNECE & RIS Legal Framework

UNECE: Recent Activities

- Resolution No **80** (NtS): draft revision preliminary approved

- Resolutions Nos **48** (Inland ECDIS), **57** (RIS Guidelines), **58** (VTS), **63** (VTT), **79** (ERI): pending
  : waiting for the European Commission and the RIS Expert Groups

- **RIS**: **permanent agenda item** of **SC.3** and **SC.3/WP.3**

- **Workshop** "RIS and other ICT in the pan-European format" (23 June 2016)

- **High-Level Conference on IWT** (22 February 2017)

UNECE: Recent Activities (cont.)

- Updating **SIGNI** and **CEVNI**

  Signs and Signals on Inland Waterways

  Chapter 12, DRAFT on monitoring of signs and marking by AIS Aids to Navigation (AtoN)

- Implementation of **UNECE Resolutions**

  (out of 27 member States)

Resolution No.	Applied	Partly applied/under consideration
48 (Inland ECDIS)	9	3
57 (RIS Guidelines)	10	2
58 (VTS)	6	5
63 (VTT)	7	3
79 (ERI)	8	3
80 (NtS)	14	3

70 | UNECE
Inland Transport Committee
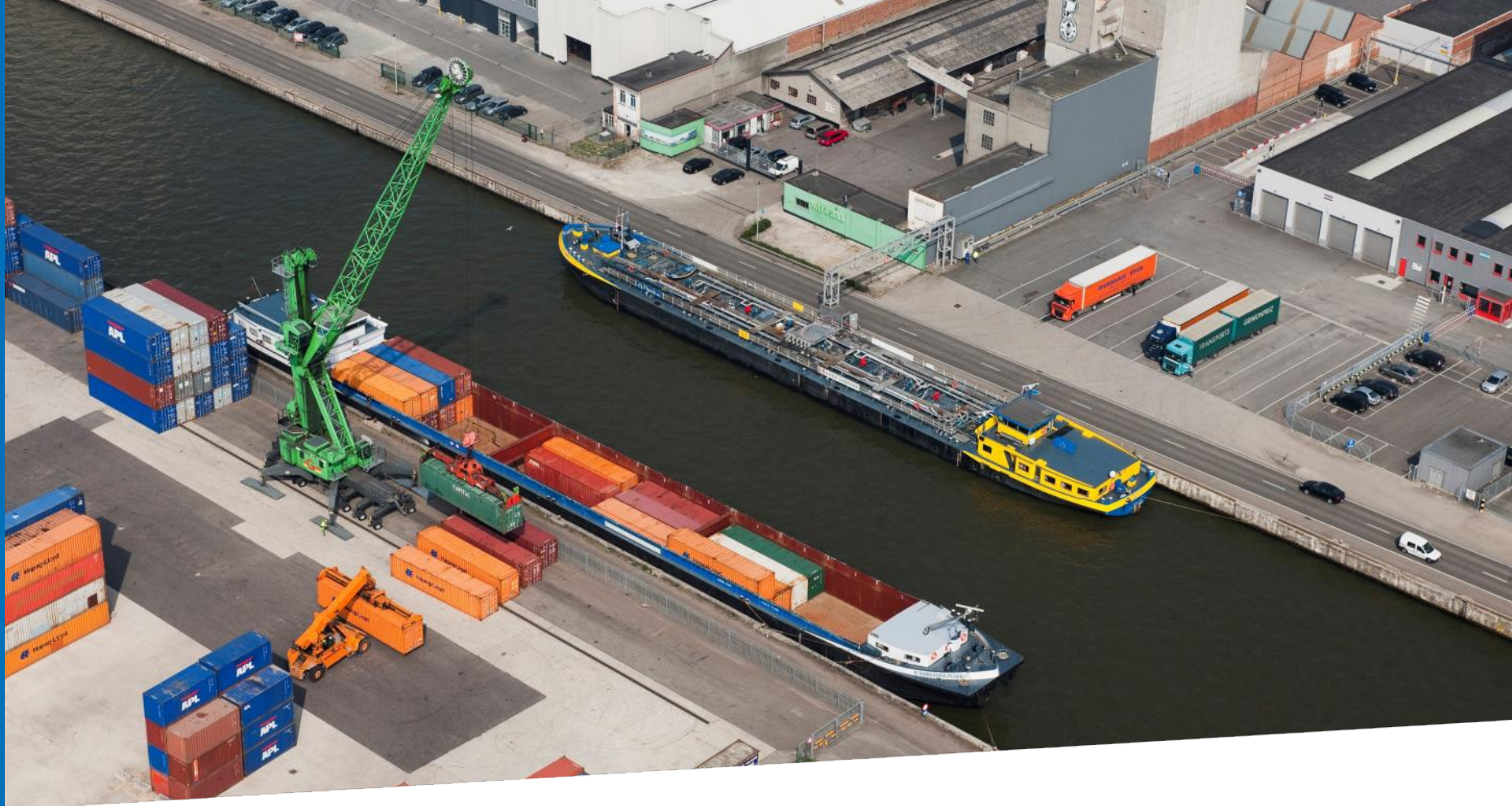
Challenges, Opportunities & Lessons Learned

- Introducing **RIS provisions in UNECE documents**

- **Harmonization of standards** and coordination with International Expert Groups, EU and River Commissions

- **RIS at international events**: **promotion** and **best practices** e.g. International Conference on IWT (18-19 April 2018, Wroclaw, Poland)

- Coordination of **activities of UNECE member States** and **providing tools for RIS implementation** at the national level

- Providing **feedback to International Expert Groups**

- Supporting **innovations and digitalization**

- Addressing **RIS at a broader scope** with Inland ENCs and Navigation Rules

UNECE

Inland Transport Committee

High-Level Conference on **IWT**

(Geneva, 22 February 2017)

- RIS in terms of the efficiency, safety and security of navigation

- Need for innovations, modern technologies, data exchange and digitalization

- IALA: milestones will include:
  - ✓ RIS: further development
  - ✓ e-Navigation
  - ✓ Vessel Traffic Services (VTS) and traffic management in IWT
  - ✓ other opportunities by new technologies

70 | UNECE
Inland Transport Committee

Thank you all for your attention!

UNECE
Inland Transport Committee