

# INSPIRE spatial data sets in the European data collection of 'Nationally designated areas' – linked approach

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Photo Miha Ivanc, Tanja Menegalija

# Collection

## Purpose

- The European inventory
- **Protected areas** and the **national legislative instruments** creating them
- Official source of European information to the **World Database of Protected Areas (WDPA)**

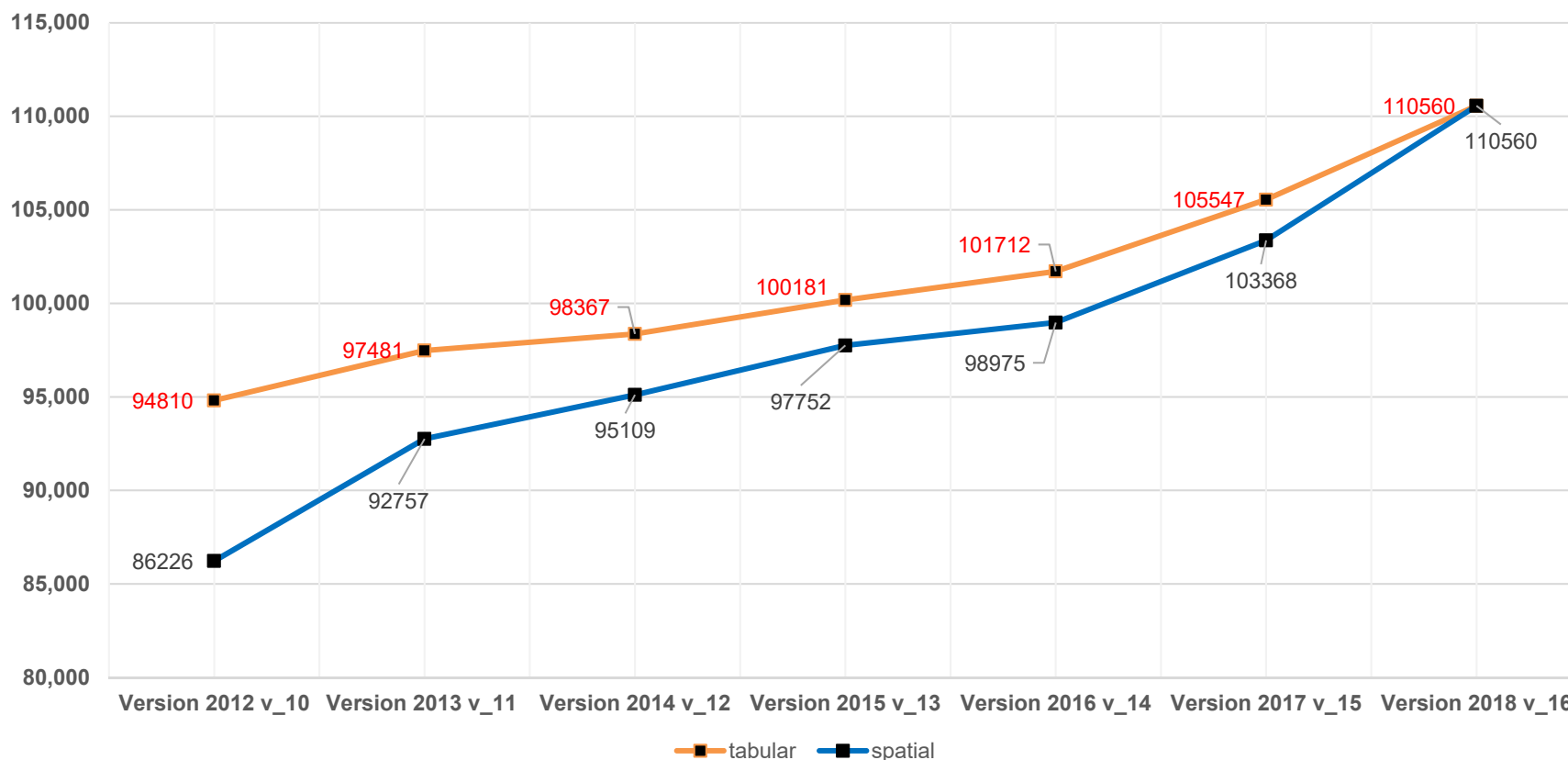


## Collection characteristics

- Collection started in **1995**
- EEA / Eionet annual **core data flow**
- Priority data set for eReporting for **EU policies** (INSPIRE spatial data)
- **2018 reporting data flow** has been concluded

# 2018 Findings

- Increase in number of designated areas (sites) reported in 2018, both spatial (blue) and tabular (orange)



# Comparison of CDDA delivery 2018 – 2017

**2018:**

**7192** new *spatial* CDDA sites!  
plus **6.96 %** (increase)

Compared with the spatial data (Type 1 data) from 2017 in the most countries the count of sites increased!

**2018:**

**5013** new CDDA sites!  
plus **4.75 %** (increase)

Quality control rule accepts only complete data (spatial data + CDDA specific data):  
- in 5 countries the count of CDDA sites decreased clearly!  
→ If spatial data (geometry) wasn't delivered, the CDDA site properties were not accepted



# Reporting data flow changes in 2018

## Scope: Modernisation of reported data

### Requirements

- Exclude outdated and redundant information
- Strengthen the quality of provided / reported data
- Ensure continuity - all reporting countries shall be able to report data

### Opportunity

- Include INSPIRE implementation (streamlining obligations)

# Changes in reporting data and process

- Transformation between old and new data model

**New data model**

**Include INSPIRE specifications**

- Design linked approach
- INSPIRE Protected sites
- Encoding

## Support:

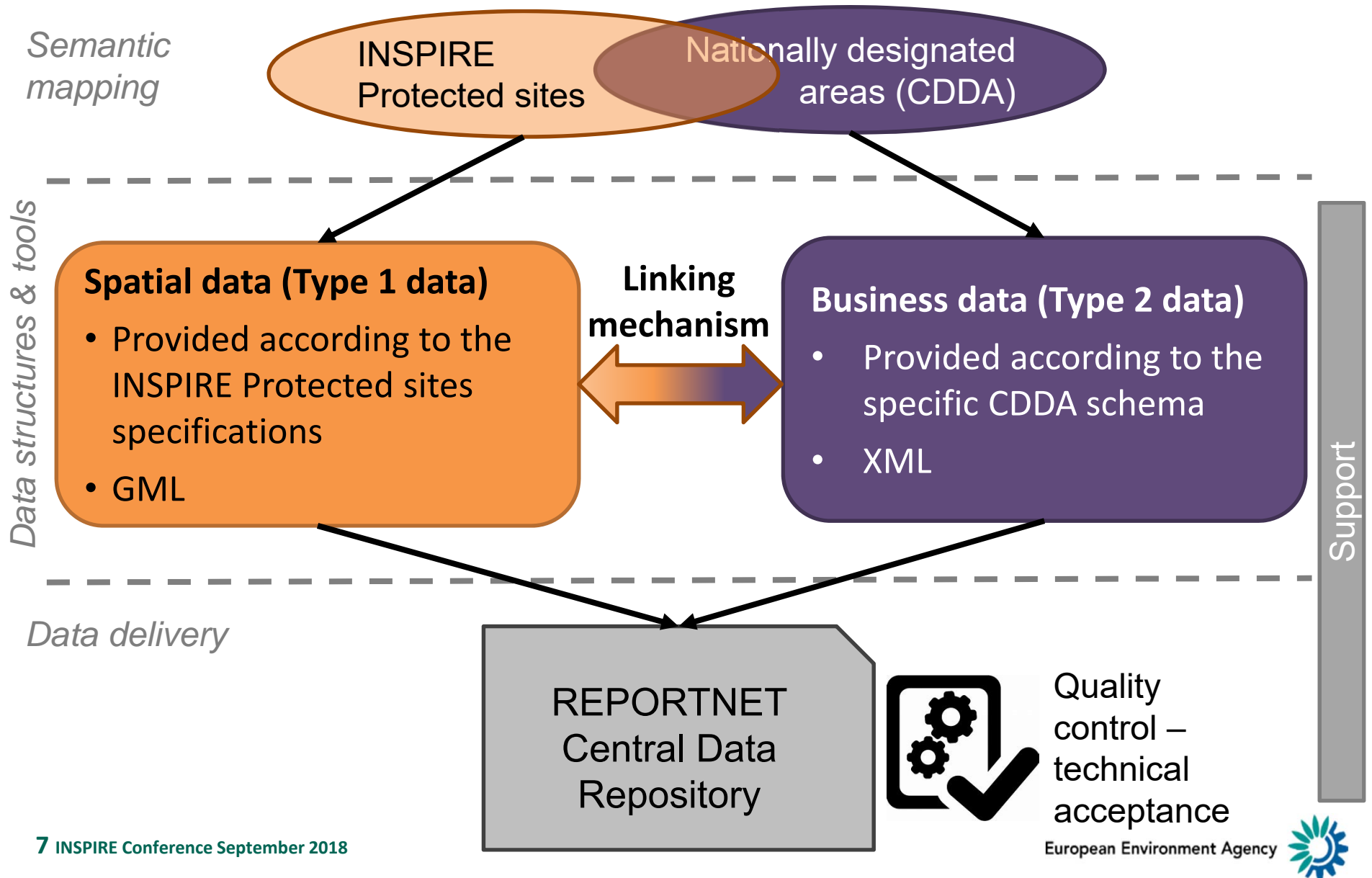
- Guidelines
- Demonstrations
- Conversion tools
- Pre-filled data
- Helpdesk and support

**Ensuring all countries can report and make smooth transition**

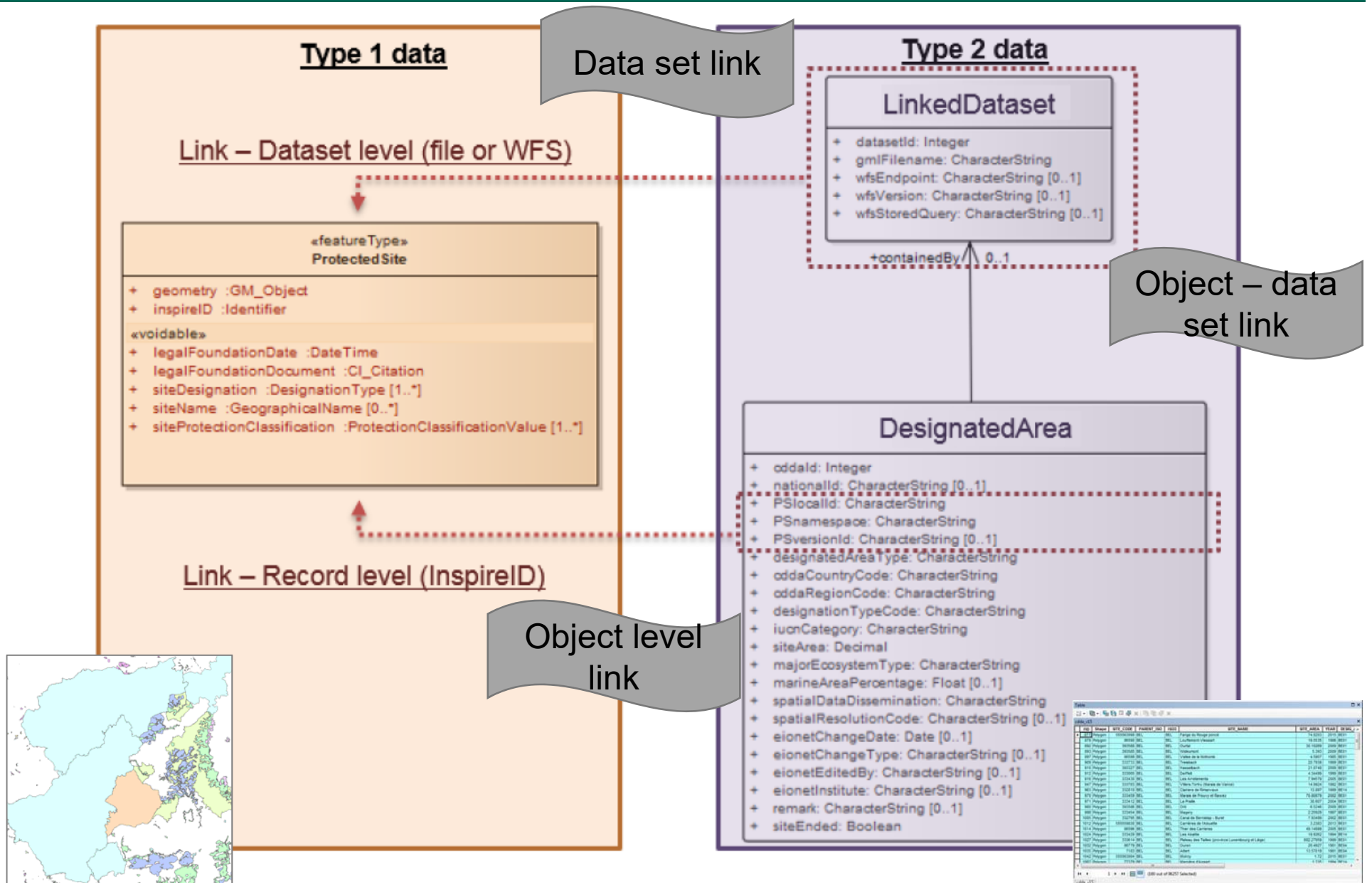
**Data quality control**

- Validation tools at data delivery point
- Strict quality control – technical acceptance

# Including INSPIRE specifications



# Linked approach: INSPIRE spatial data and other properties (non-spatial data)

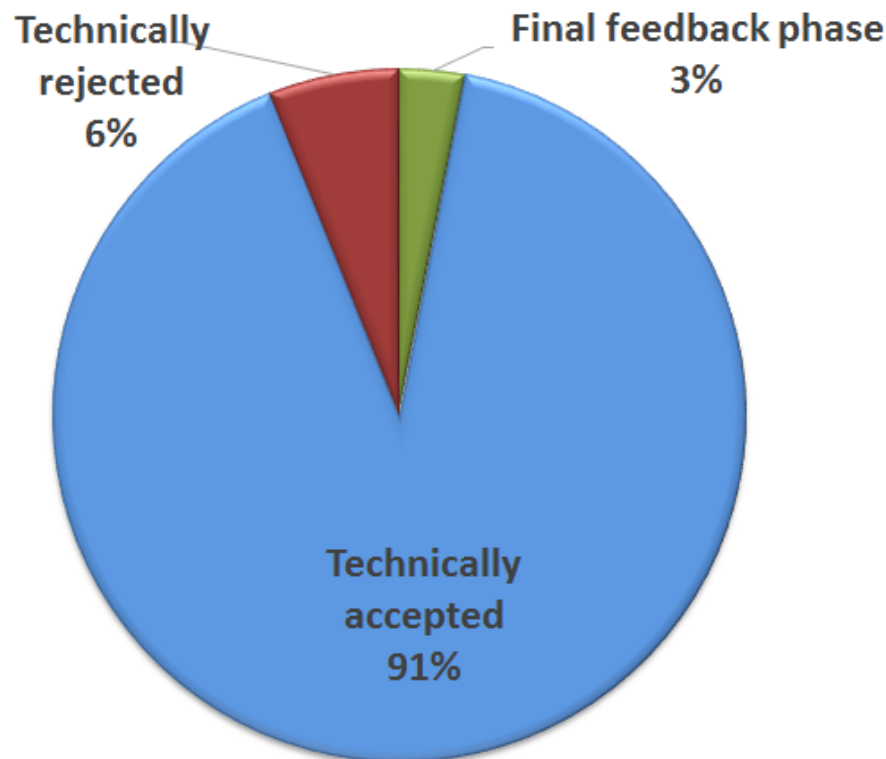




# Statistics

## Reporting countries

- 33 countries reported
- High level of valid data – technically accepted (Type 1 and Type 2 data provided correctly)



## Number of files

- 2/3 of countries provided 1 file per Type-1 and Type-2 data
- Reasons for several spatial data files (Type-1) – differences in:
  - Geometry: polygon, point
  - Geographic area
  - Content (IUCN, designated boundaries)
  - Coordinate reference systems
  - Public / restricted data

Type-1 (GML)	Type-2 (XML)	#Cases
1	1	21
2	1	10
3	1	1
23	1	1

# Conclusions

- Spatial data in required INSPIRE PS compliant structure and encoding (GML) are provided directly or by conversion tools
- Linking mechanism is successfully implemented
- Quality control at delivery point ensures data quality:
  - Only both Type-1 and Type-2 data with linking mechanism is accepted / correction rounds are supported
- Detailed guidelines, video / demo material and individual support contribute to valid deliveries:
  - Explaining guidelines
  - Providing tools
  - Proposing solutions to quality control rejection

# THANK YOU FOR YOUR ATTENTION



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