



**CAEN**

CROATIAN AGENCY FOR ENVIRONMENT AND NATURE

**CROSTO**

# National List of Indicators (NLI)

## **Tourism & Environment Indicators in Croatia**

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# Environmental Indicator

- Result of processing of data and information obtained by:
  - measurement
  - calculation
  - estimation
- Efficient way of presenting:
  - information of state / trend
  - projections
- Indicator assessment: contributes to a better understanding of complex environmental state / trends



Process of indicator development

# Purpose and Characteristics of the Environmental Indicator

- Tool for tracking environmental policy achievements
- Clear messages to policy makers and experts
- Ultimately clear and full understandable to the general public
- Binding document for preparing a Croatian State of the Environment Report (SOER), thematic reports, publications etc.
- Indicator should be:
  - representative
  - relevant
  - reliable
  - comparable
  - clear and understandable



# Development of the NLI

## general information

- According to Environmental Protection Act (OG80/13,153/13,12/18 )
- Drafted by proposed experts - nominated Committee
- The basis for creating NLI:
  - national / EU legislation
  - international treaties
  - recommendations (eg the EEA list of indicators)
- NLI contains:
  - 253 data sheet - methodological instructions
  - for 28 topics (environmental, sectorial, general and integrated topics)

# NLI: Tourism and Environment

## NLI indicators:

TR 1 Tourist arrivals

TR 2 Tourist nights

TR 3 Cruising tourism

TR 4 Number of visitors in National Parks

TR 5 Tourism intensity

TR 6 Tourism and space

TR 7 Water use in tourism

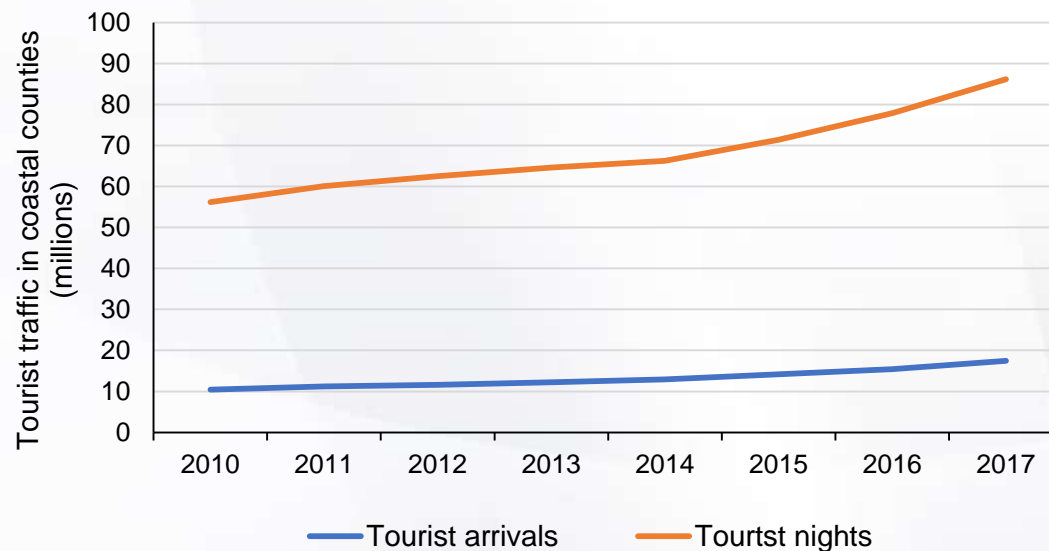
TR 8 Production of municipal waste in stationary tourism

## Additional indicators/information:

- ✓ Seasonality
- ✓ Nautical tourism
- ✓ Inform. on tourism sustainability / projects: CROSTO, EUSAIR, COAST (UNDP), DeFishGear...
- ✓ Cyclotourism etc.
- ✓ Withdrawal of funds from ESIF

# Tourist traffic in Croatia

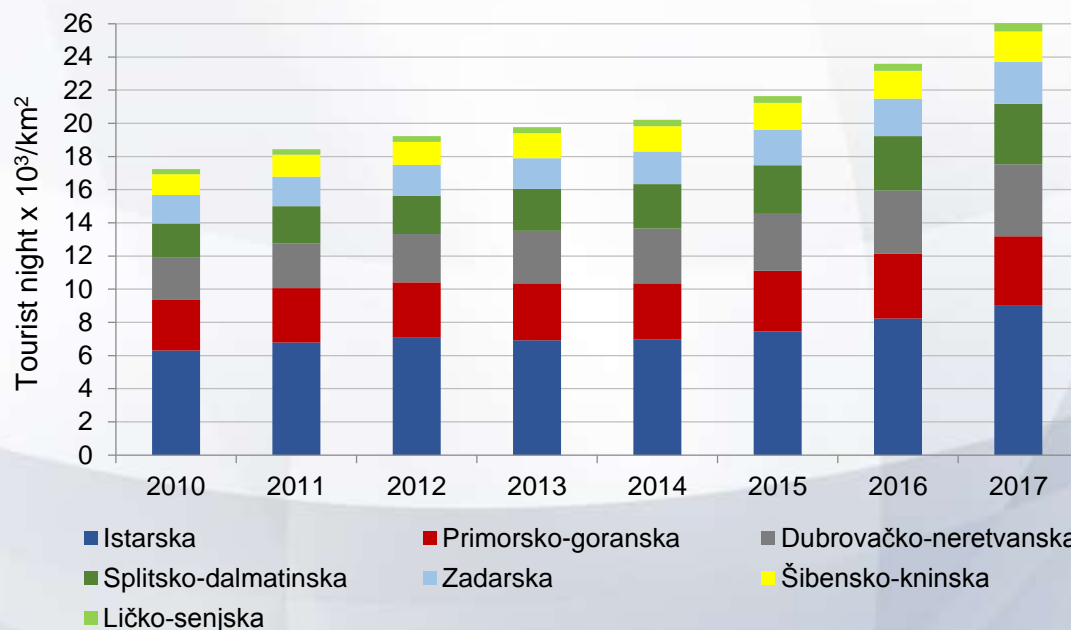
- grows continuously in coastal counties



- share of tourist traffic in continental Croatia 4%
- almost 50% of the tourist traffic was recorded in Zagreb

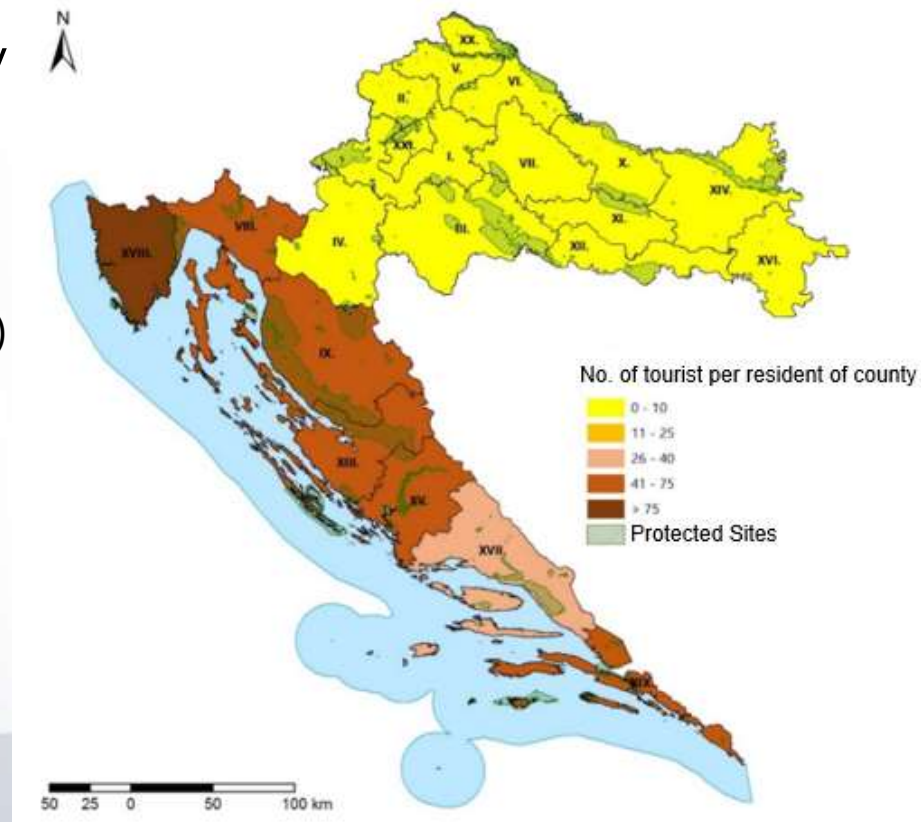
# Tourist night/km<sup>2</sup> in counties

- the highest pressure per km<sup>2</sup> was recorded in counties:
  1. Istarska
  2. Dubrovačko-neretvanska
  3. Primorsko-goranska
  4. Splitsko-dalmatinska



# Tourism Intensity in coastal counties

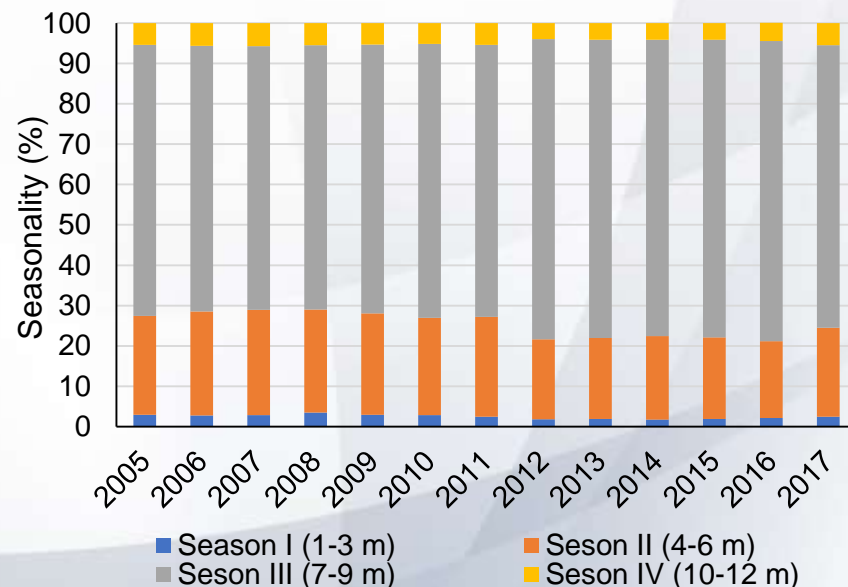
- No. of tourist/resident of county
- Risks / load:
  - on infrastructure (communal, traffic)
  - on the environmental components (air, water, soil, biodiversity)
  - the largest in Istarska and Dubrovačko-neretvanska county





# Seasonality

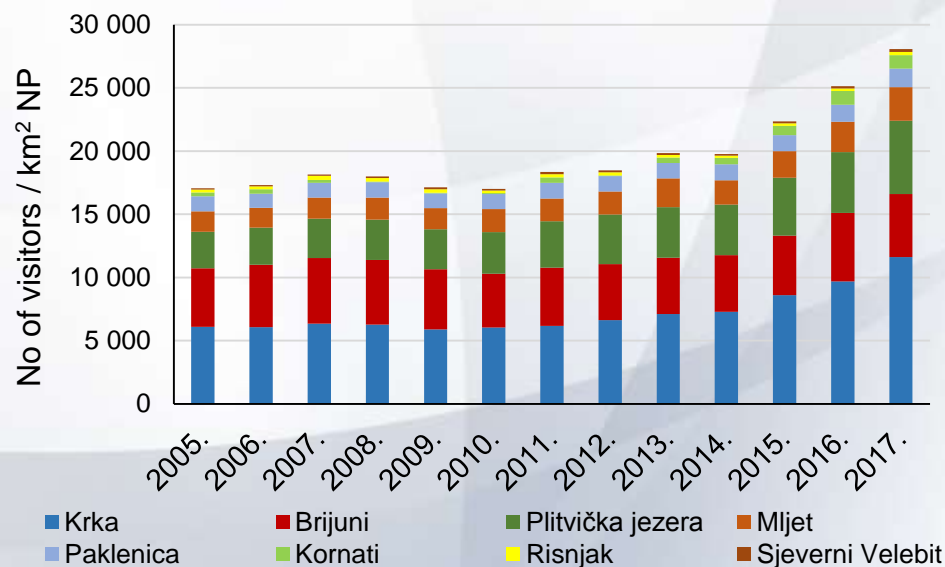
- April to Sept in coastal counties:
  - 95% overnights
  - 87% of income (internat. tourism)
- 2017 / seasonality in Croatia 8.7 - largest in EU-28 (EU-28 average 3.3)
- Risks / load:
  - on environmental components
  - on infrastructure (communal, traffic)
  - organizational problems (some destinations)



# Number of visitors in National Parks

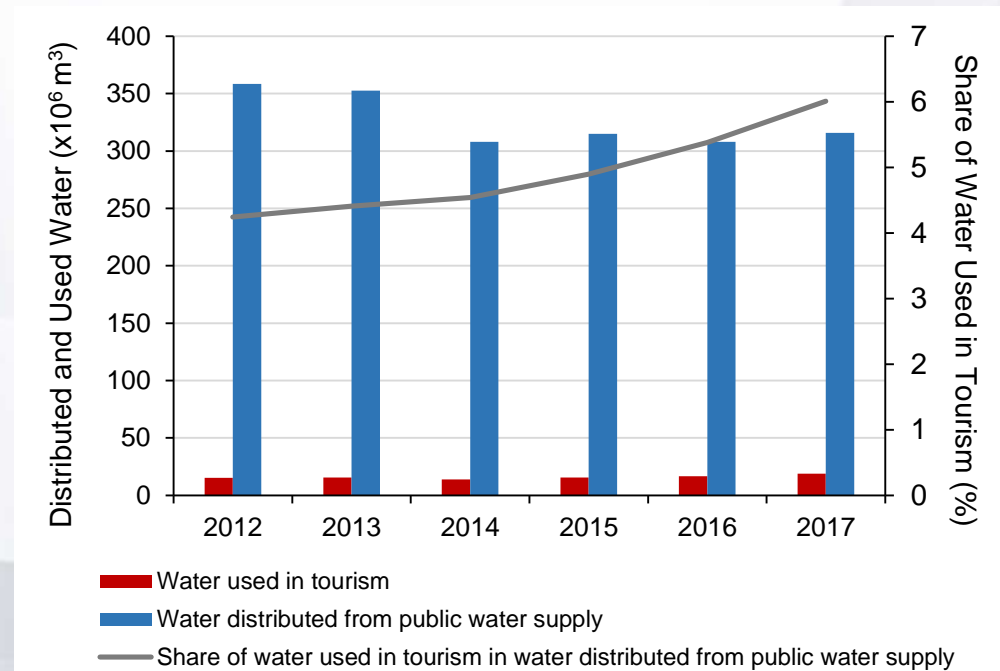
- 2005 - 2017 No. of visitors increased by 47%
- In 2017 in NP's:
  - total of 3.7 million visitors
  - No. of visitors to NP Plitvice Lakes 1.7 million (max)
  - No. of visitors to NP Risnjak 14,346 (min)

- Risks / loads at:
  - biodiversity
  - Q of other env. components
  - communal infrastructure



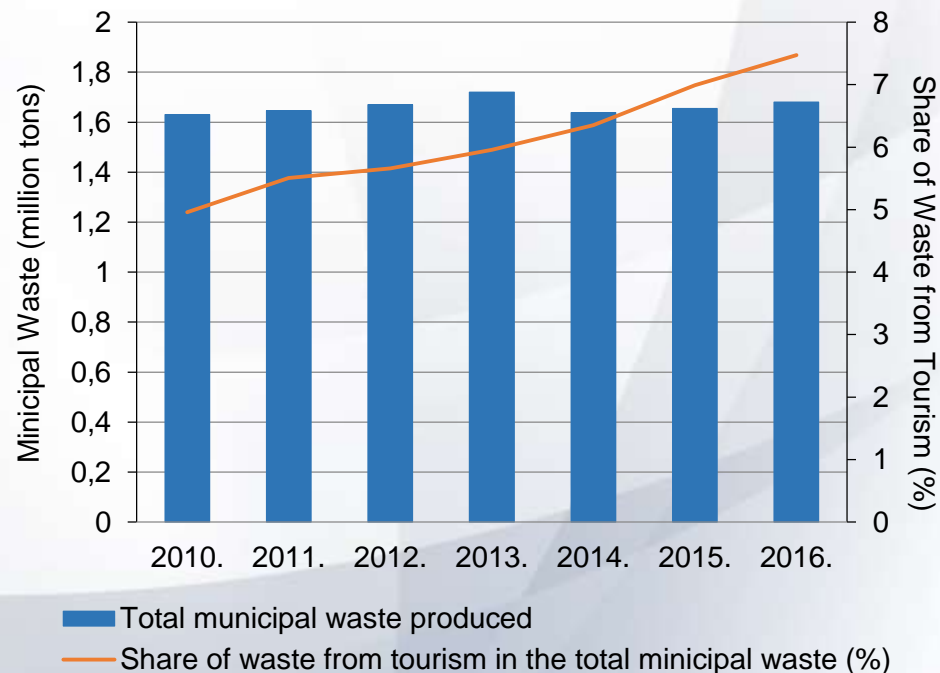
# Water Use in Tourism

- 2016 - 2017
  - total water distributed from public water supply increased for 2.5%
  - tourist nights increased by 9.6%
  - higher share of water used in tourism by 12.7% (Eurostat method.)
- since 2012 losses in water supply are reduced



# Production of municipal waste in stationary tourism

- In 2016:
  - 1,68 million tons of waste
  - share of tourism 7.4% (Eurostat method.)
- 50% of total quant. of waste:
  - Istarska County
  - Splitsko-dalmatinska County
- Last few years: the progress in waste management
- Availability of data for 2017: the first half of December 2018



Thank you for your attention

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