



REPUBLIKA HRVATSKA
Državna geodetska uprava

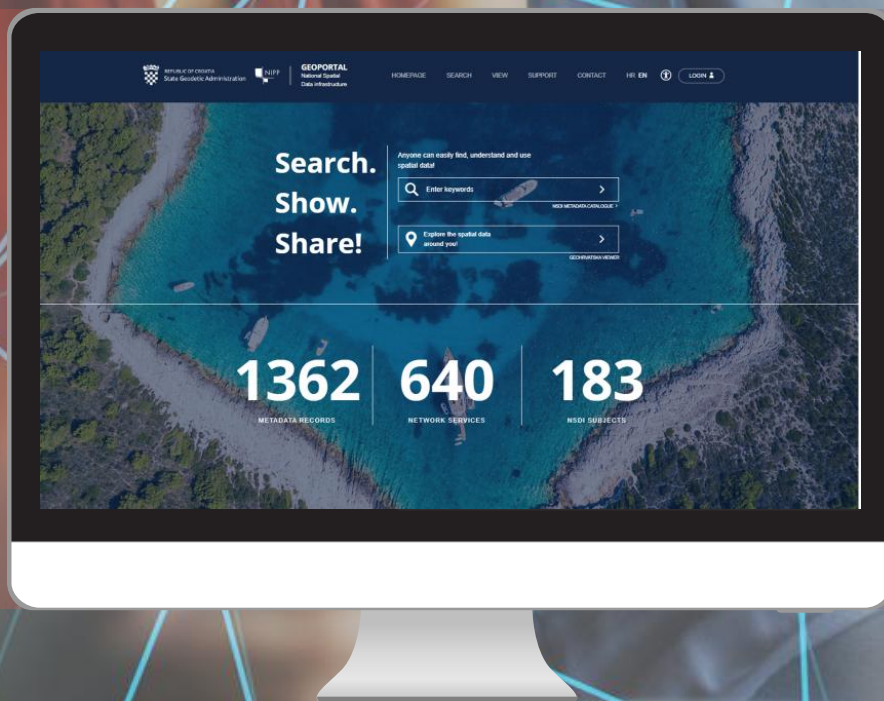


International
Spatial Data
Conference 2026

Tomislav Ciceli

Everyone can easily find, understand and use spatial data!

Budapest, 8. October 2026





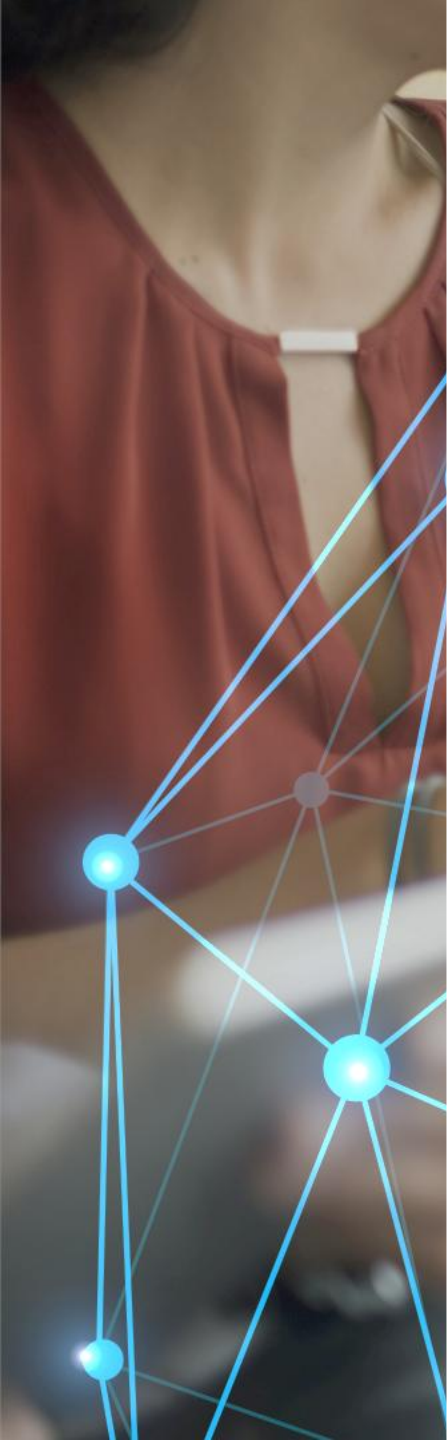


**National Spatial Data
Infrastructure (NSDI ACT; OG
53/2013, 52/2018, 50/2020)**

The National Spatial Data Infrastructure (NSDI) is a set of technologies, measures, standards, implementing rules, services, human capacity and other factors that enable effective integration, management and maintenance of spatial data sharing in order to meet needs at national and European level.

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A woman wearing a red top is visible on the left side of the image. Overlaid on her image is a network diagram consisting of several glowing blue nodes connected by thin, light blue lines, representing a digital or organizational network.

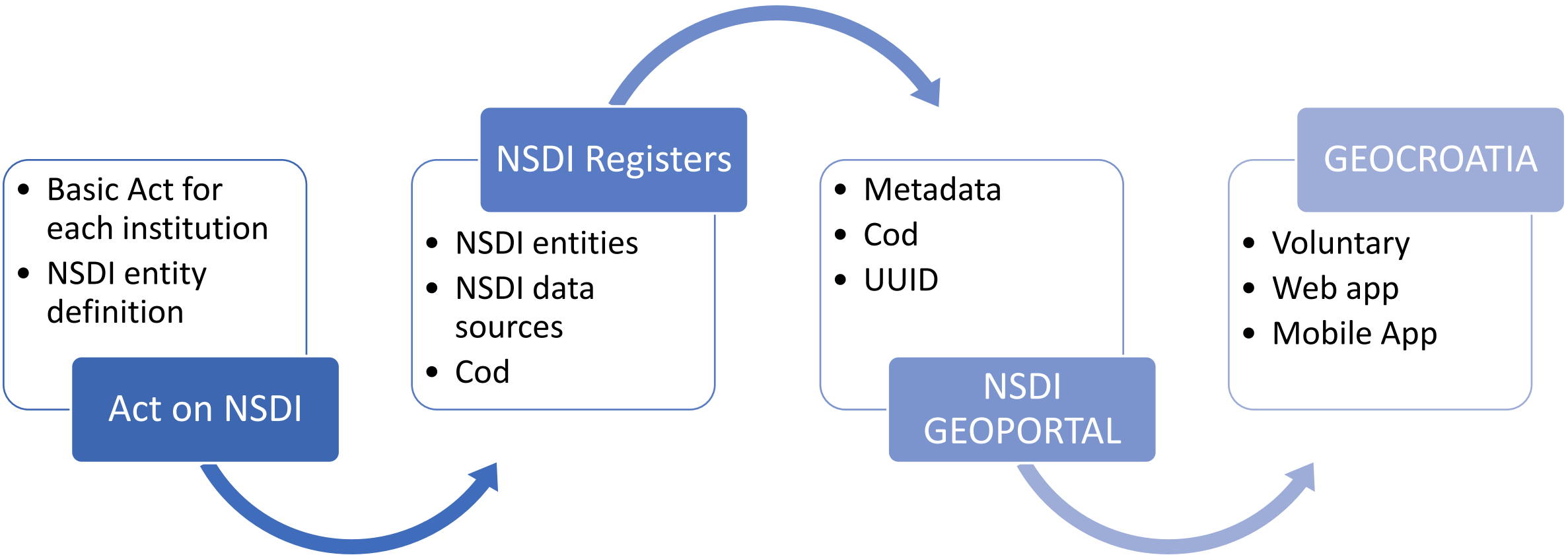
Interoperability is the ability of organisations to interact towards mutually beneficial goals, involving the sharing of information and knowledge between these organisations, through the business processes they support, by means of the exchange of data between their ICT systems.

European Interoperability Framework



Legal Interoperability

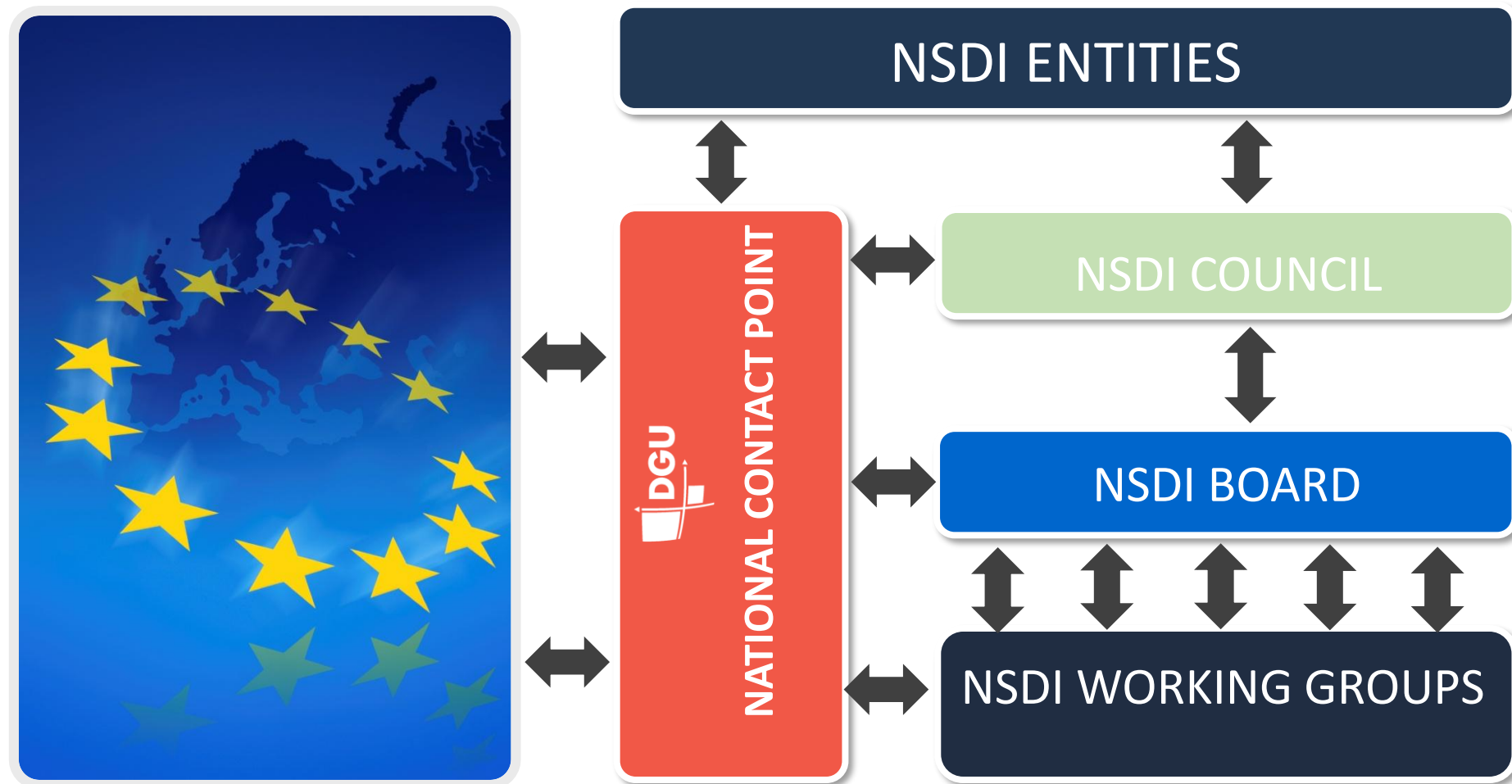
- 2020 Amending the Act on the National Spatial Data Infrastructure (OG 50/2020)
- 2018 Act on Amendments to the Act on the National Spatial Data Infrastructure (OG 52/2018)
- 2013 Act on National Spatial Data Infrastructure (OG 56/2013)
- 2007 Act on State Cadastre and State Survey (OG 16/2007)
- 2007 Directive 2007/2/EC of European Parliament and of the Council (INSPIRE)



NSDI workflow



Organisational Interoperability



Semantic Interoperability

- COMMISSION REGULATION (EU) No 1089/2010 on the **interoperability of spatial data sets and services** (OJ L 323/11, 8.12.2010)
- COMMISSION REGULATION (EC) No 976/2009 as **regards network services** (OJ L 274/9, 20.10.2009)
- COMMISSION REGULATION (EU) No 1088/2010 amending Regulation (EC) No 976/2009 as **regards invoke services and transformation services** (OJ L 323/1, 8.12.2010)
- COMMISSION REGULATION (EU) No 268/2010 as **regards access** by Community institutions and bodies to spatial data sets and services of the Member States under harmonised conditions (OJ L 83/8, 30.3.2010)
- Commission Implementing Decision (EU) 2019/1372 as **regards monitoring and reporting** (notified under document number C(2019) 6026) (OJ L 220/1, 23.8.2019)

Search. Show. Share!

Anyone can easily find, understand and use
spatial data!



Enter keywords



[NSDI METADATA CATALOGUE >](#)



Explore the spatial data
around you!



[GEOHRVATSKA VIEWER](#)

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METADATA RECORDS

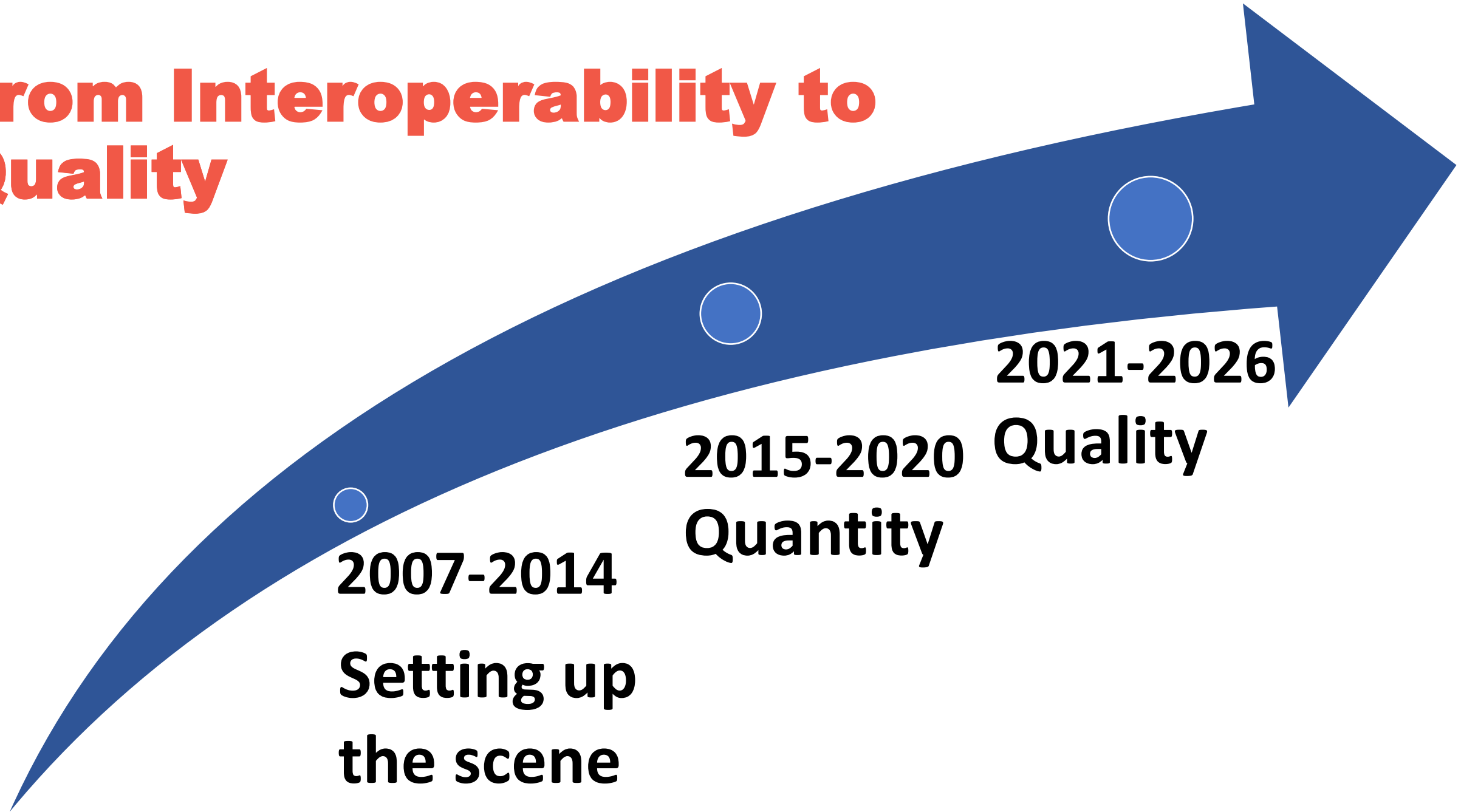
640

NETWORK SERVICES

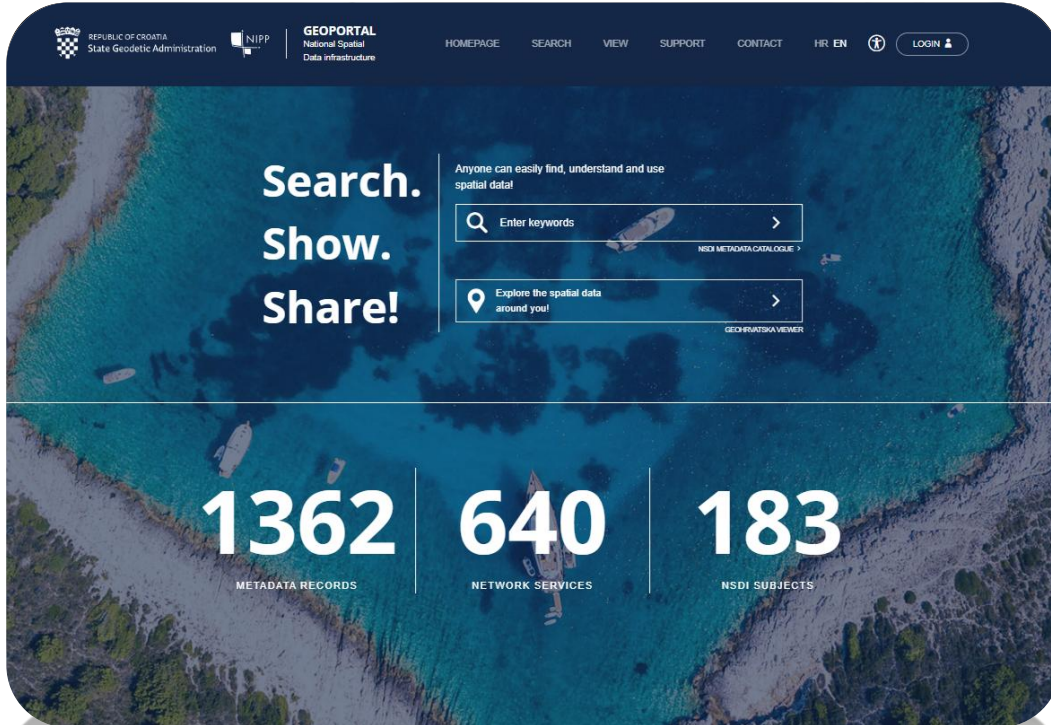
183

NSDI SUBJECTS

From Interoperability to Quality



Quality



Quality is meeting requirements.

Philip Crosby

Quality is suitability for use..

Jospeh M. Juran



Quality is error prevention.

W. Edwards Deming



REPUBLIC OF CROATIA
State Geodetic Administration



GEOPORTAL
National Spatial
Data infrastructure

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METADATA RECORDS

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NETWORK SERVICES

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NSDI SUBJECTS

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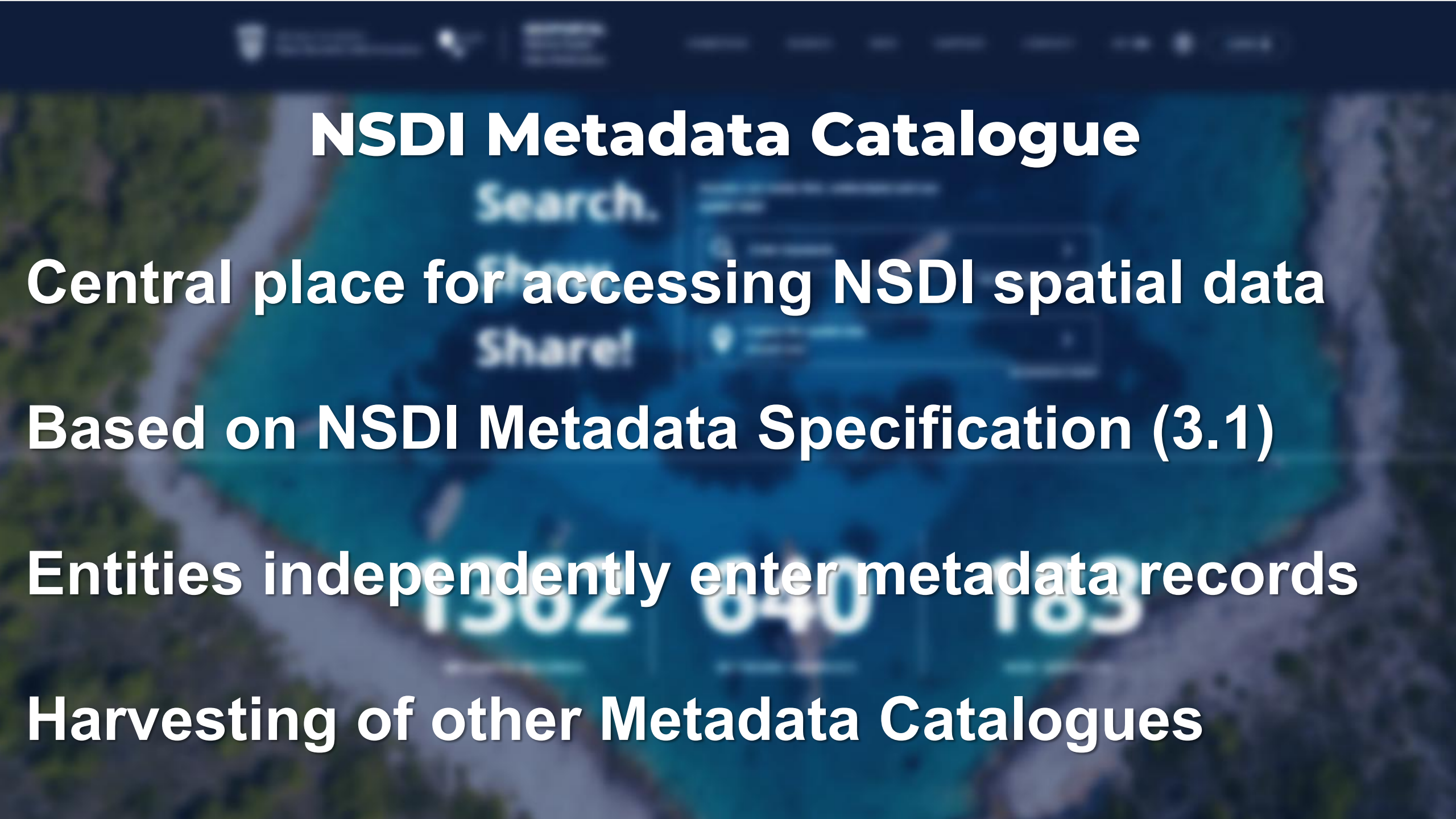
Search for items in the collection

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183





NSDI Metadata Catalogue

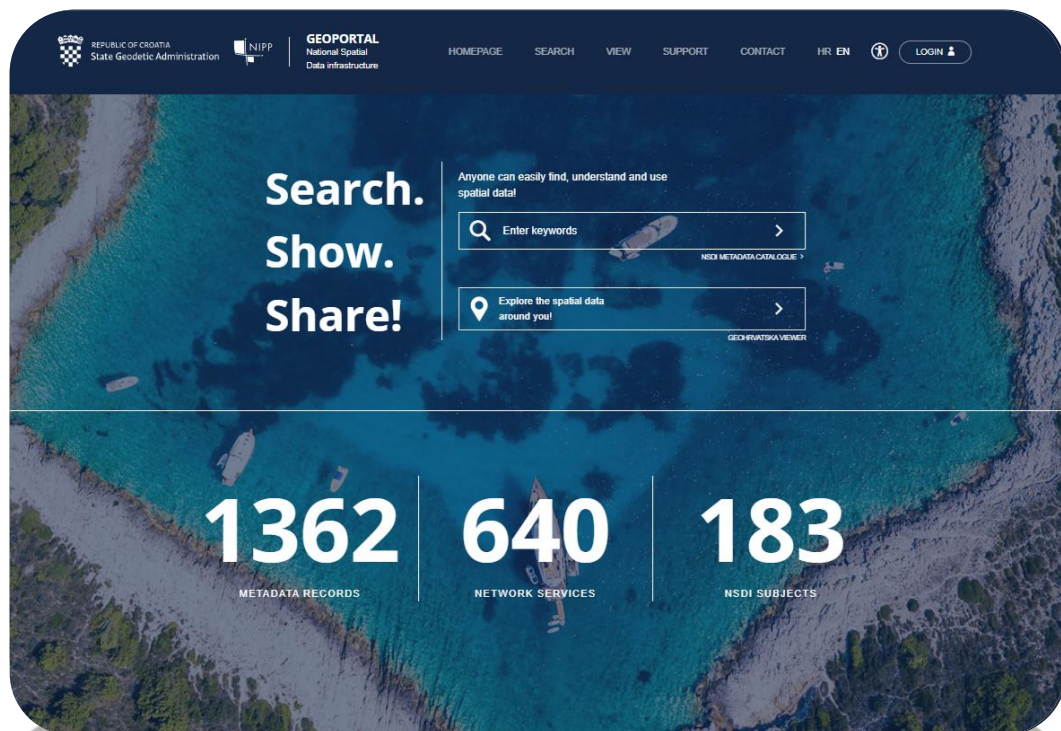
Central place for accessing NSDI spatial data

Based on NSDI Metadata Specification (3.1)

Entities independently enter metadata records

Harvesting of other Metadata Catalogues

Quality



Quality is meeting requirements.

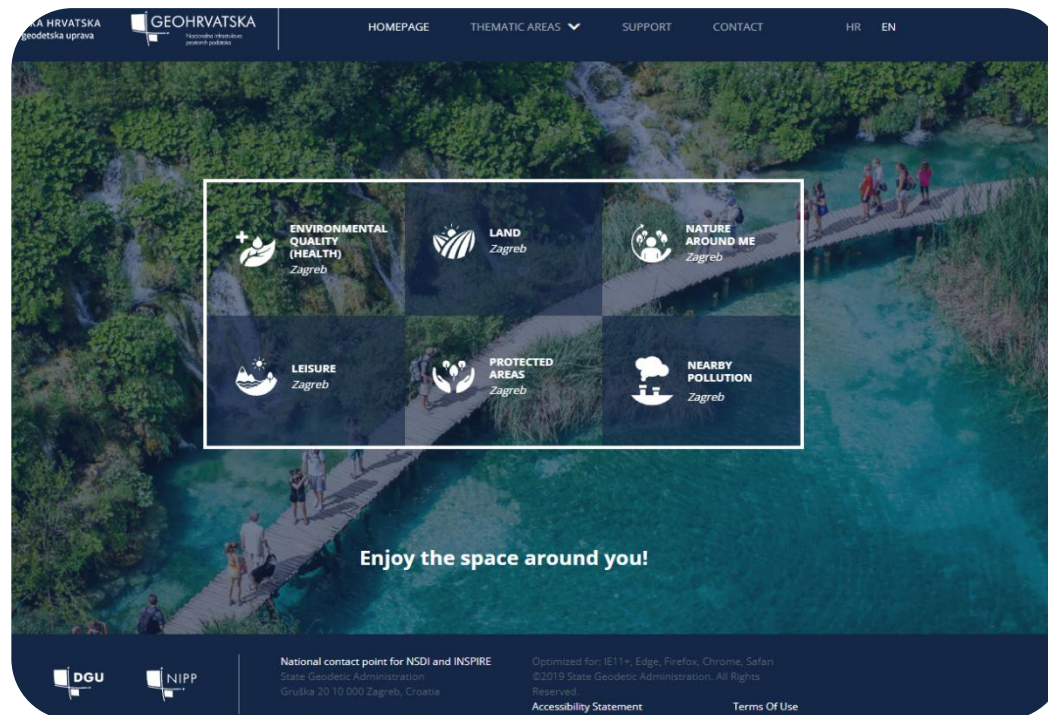
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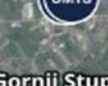




Enjoy the space around you!



Pretraži po lokaciji/adresi...



Gornji Stupnik

Stupnik

Državna geodetska uprava

Goli Breg

Brezovica

Gornji Čehi

Donji Čehi

Mala Mlaka

Odra

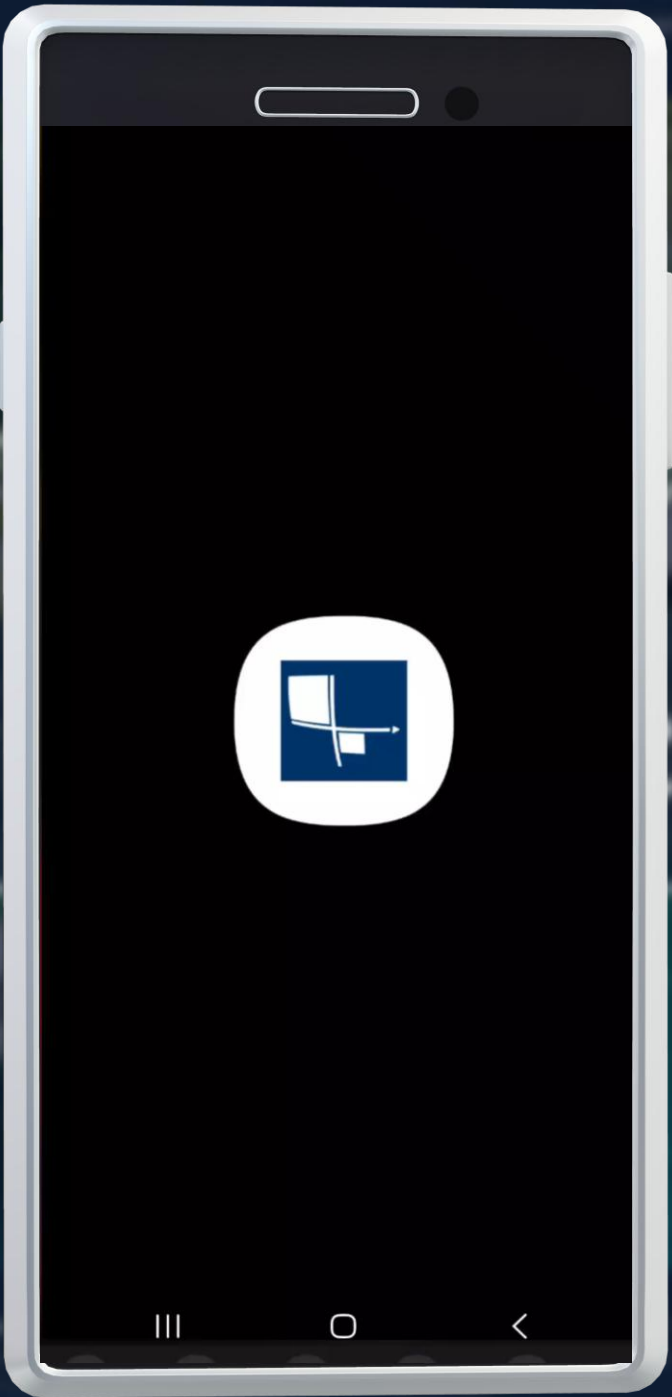
Veliko Polje

Mlaka

Velika Gorica

449281.000, 5067685.000

1000 m



Polygon for demonstration of NSDI potential

**18 NSDI
Entities**

**Network
application**

**Mobile
application**

**166 spatial
data sets**

**Integration with
commercial
solutions**

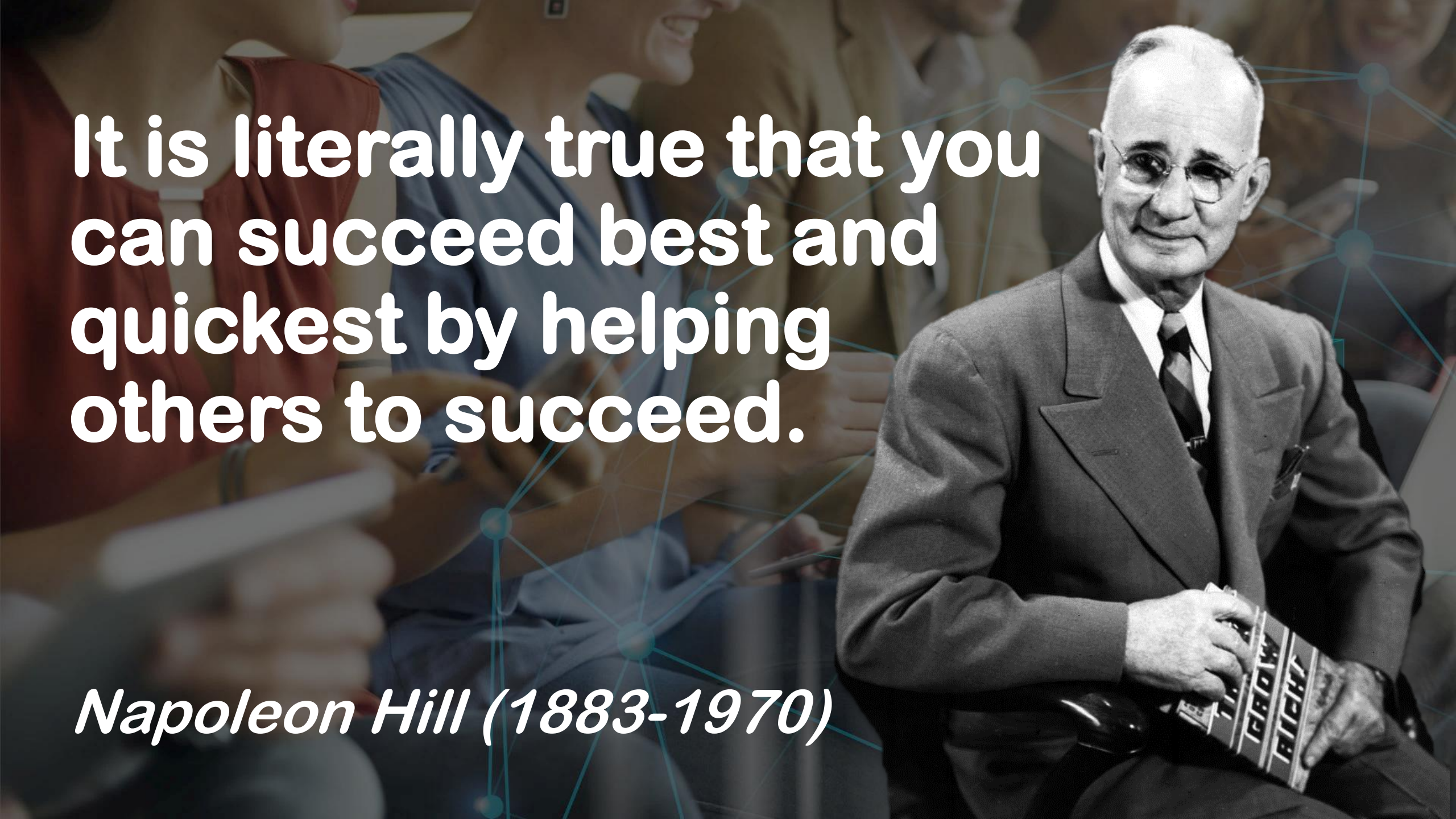
**iOS, Android
More than
46,000 users**

NSDI Ecosystem





15 Conferences
45 Workshops

A black and white photograph of Napoleon Hill, an older man with glasses, wearing a suit and tie, sitting and holding a book titled "HOW TO SUCCEED IN BUSINESS AND LIFE". The background is a blurred image of a group of people, with a blue network diagram overlaying the scene. The text "It is literally true that you can succeed best and quickest by helping others to succeed." is written in white, bold, sans-serif font across the upper left portion of the image.

It is literally true that you
can succeed best and
quickest by helping
others to succeed.

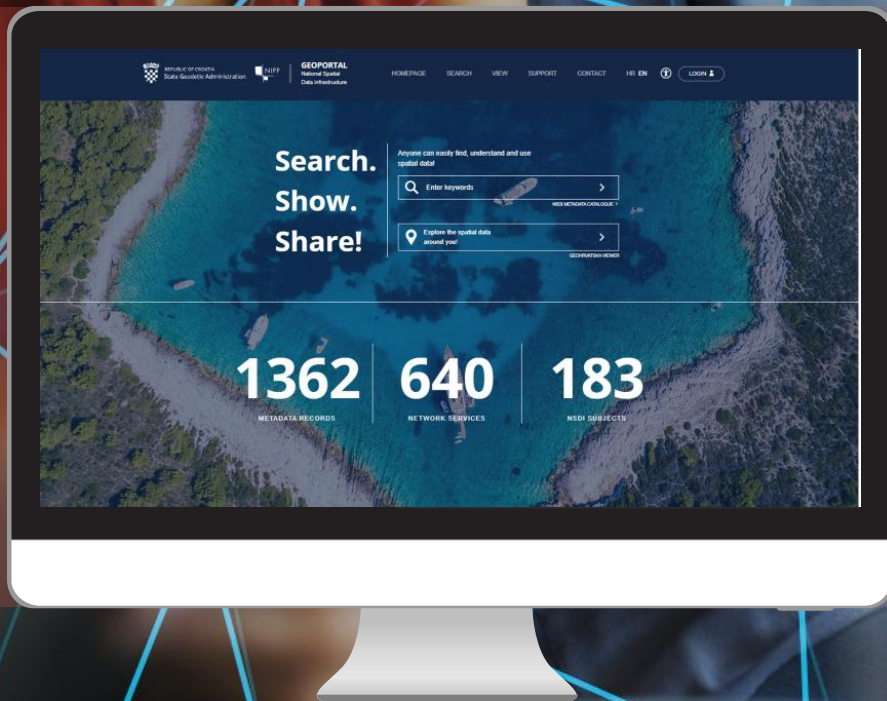
Napoleon Hill (1883-1970)

A group of people are gathered around a table, looking at a laptop screen. The image is overlaid with a blue network diagram consisting of dots connected by lines, and several translucent blue 3D cubes. The text is centered over the image in a large, white, bold font.

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Thank you for your attention!

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