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**INVASIVESNET initiative: towards development
of the International Association
for Open Knowledge on Invasive Species**

**INVASIVESNET initiative team
(open authorship at this stage)**

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Open international association of experts in biological invasions, also serving as informal network of networks on invasive species

Why it is needed?

- **experts in this rapidly developing area are not well organized (global professional society is missing);**
- **mechanisms of linking existing expert working groups and networks are lacking;**
- **declining funding of research, management and networking initiatives**

Needs a sustainable option!

Major international expert and information networking initiatives on invasive species

The Global Invasive Species Information Network (GISIN)

The Society for The Study of Marine Bioinvasions conference series (ICMB)

The Global Invader Impact Network (GIIN)

The International Conference on Aquatic Invasive Species series (ICAIS)

IUCN Invasive Species Specialist Group (hosting Global Invasive Species Database)

Freshwater Invasives – Networking for Strategy workshop series (FINS)

SIL Working Group on Aquatic Invasive Species (hosting REABIC database and publishing open access journals *Aquatic Invasions*, *BioInvasions Records* and *Management of Biological Invasions*)

Ecology and Management of Alien Plant Invasions conference series (EMAPi)

Formal CBD-related initiatives:

The Global Invasive Alien Species Information Partnership (GIASIPartnership)

Global Invasive Species Program (GISP, terminated in 2010 due to problems with funding)

Major European networking initiatives on invasive species

The European Group on Biological Invasions (NEOBIOTA) since 1999

European Information and Research Network on Aquatic Invasive Species (ERNAIS) since 2001

The European Network on Invasive Alien Species (NOBANIS) since 2004

Delivering Alien Invasive Species Inventories for Europe (DAISIE) 2005-2008

**The East and South European Network for Invasive Alien Species (ESENIAS)
Since 2012**

**The European Alien Species Information Network (EASIN) since 2013
and
COST1209 action European Information System for Alien Species
(ALIEN Challenge) 2013-2017**

Global informal network of editors of thematic open access journals (*Aquatic Invasions*, *BioInvasions Records*, *Management of Biological Invasions*)



Our mission:

**Facilitation of greater understanding
and management of biological invasions by:**

- **creating a global network of networks for development of open knowledge and open data on invasive species;**
- and**
- **transfer of this knowledge to all interested stakeholders**

Our objectives (1):

- deliver excellent open knowledge and open data on biological invasions and invasive species to all interested stakeholders . This will occur via publication of thematic open access journals and informational support of existing open databases on IAS (priority objective);**

INVASIVESNET objectives (2-4):

- develop technical tools for collection, management and dissemination of information on IAS;
- create an effective virtual communication platform on IAS-related issues for all interested stakeholders;
- support thematic international meetings;

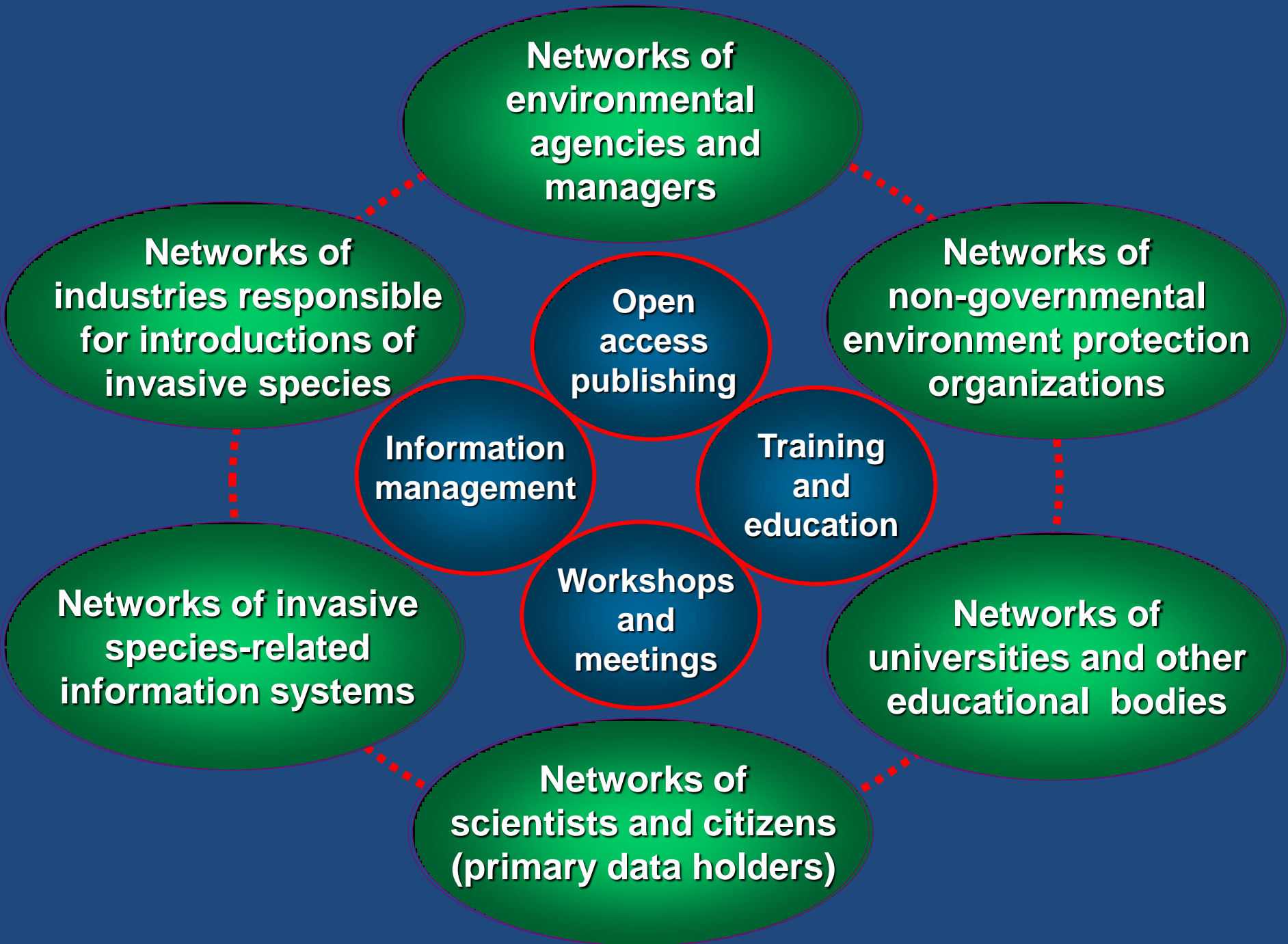
INVASIVESNET objectives (5-8):

- support education and training on IAS science and management;
- support citizen science related initiatives;
- Target industries and companies to develop effective solutions of IAS-related issues;
 - recommend how legislation is implemented, such as the Nagoya protocol, so that such instruments support research on IAS.

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INVASIVESNET :

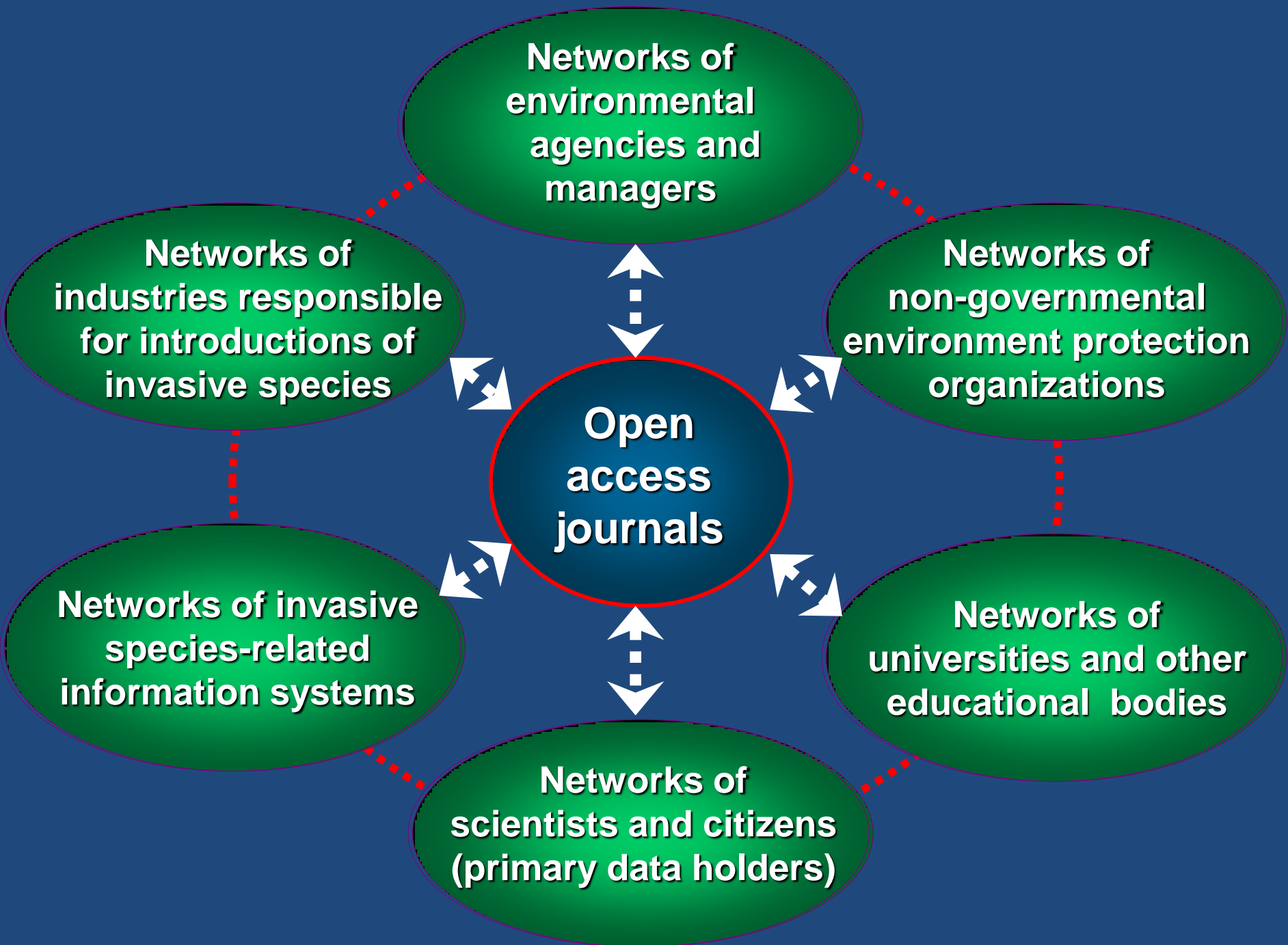
**Services for experts, database managers
and other networks**



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INVASIVESNET core element:

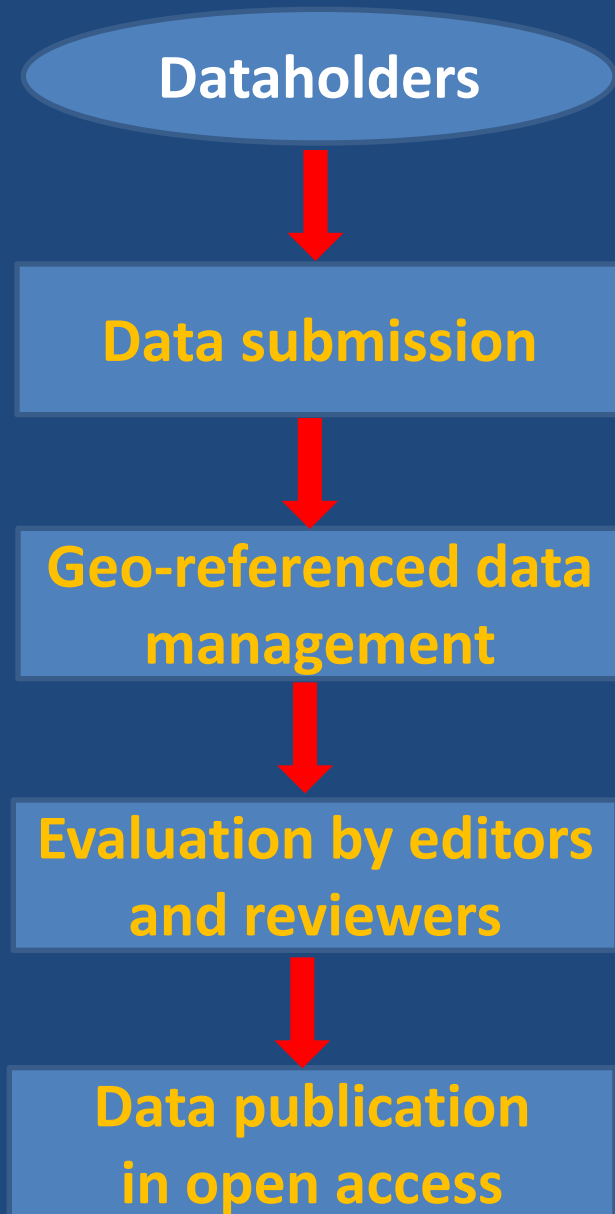
**Open access journals as effective instruments
for information collection and dissemination**



INVASIVESNET data management and publication services (1)

1. Thematic open access journals, associated with INVASIVESNET can serve as cost-effective instruments for data collection and information management, and provide platform for linking IAS-related networks of scientists and database managers.
2. The incorporation of thematic open access journals into IAS-related information systems represents an innovative cost-effective approach to IAS-related information management and may contribute to sustainability and cost-effectiveness of operational information resources associated with INVASIVESNET.
3. **Effective data support mechanism for IAS-related information resources and decision support tools (associated with INVASIVESNET) should include user-friendly online software for data submission, data management, data presentation, and data publication services for primary dataholders - scientists and citizens (innovative publication platform is needed – it can be also useful for linking thematic open access journals by different publishers).**

INVASIVESNET data management and publication services (2)



Innovated publication platform for INVASIVESNET open access journals will include relevant services for dataholders:

1. **User-friendly interface** for uploading geo-referenced species record information, other information with data description, photographs of recorded species, etc;
2. **Online GIS application** for verification of geo-referenced data by dataholders with opportunity to generate print-quality species distribution maps for further publication;
3. **Data quality control mechanism** – verification of species identification and evaluation of other submitted information by editors and reviewers;
4. **Data publication service** for generation of data papers in standard format for rapid publication in open access journals, associated with **INVASIVESNET**