

Lessons learned on the Dutch Multi-Annual Defragmentation Program

Adam Hofland
Rijkswaterstaat
Program coordinator MJPO

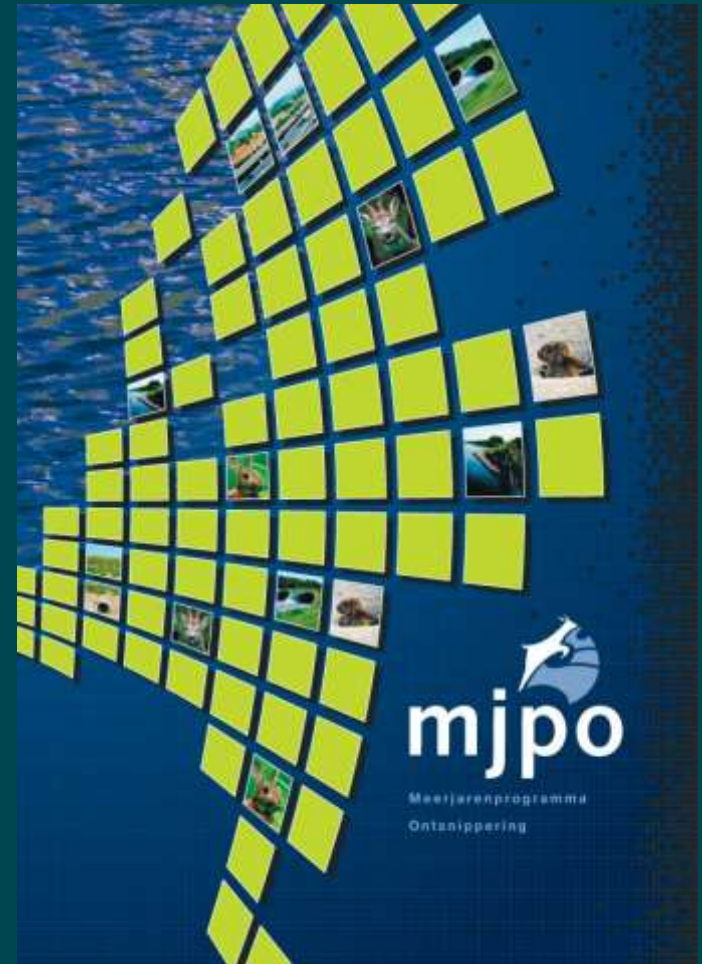
Brussels, 17th of January 2017

www.mjpo.nl



Structure presentation

- ▶ Background MJPO
- ▶ National infrastructure and ecology
- ▶ The organisation of MJPO
- ▶ Lessons learned





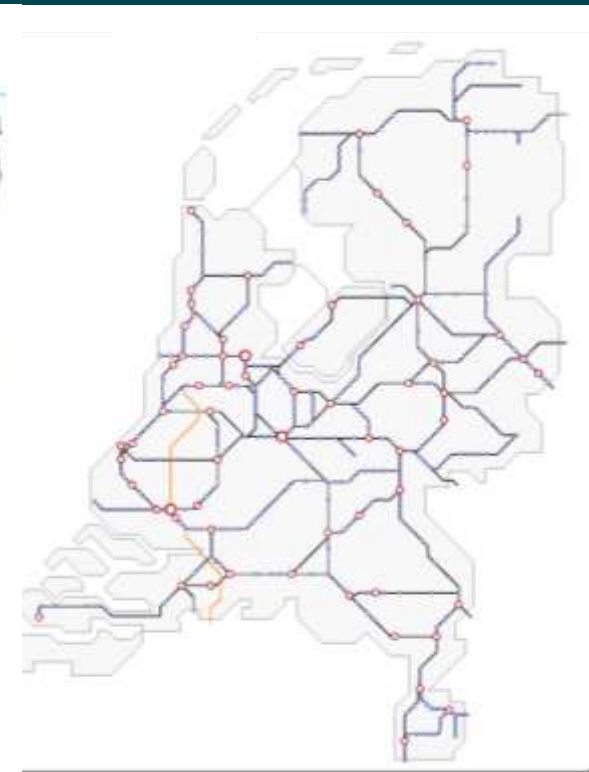
Main road network

3,046 km of motorways
 1,428 km of access and exit roads
 and connecting roads
 2,749 viaducts, 22 tunnels, 743
 bridges



Main watersystems

2,137 km of canals and rivers
 84 locks and 278 bridges



Main rail network

7.030 km of rail road
 725 viaducts, 511 bridges
 and 15 tunnels

National Ecological Network (EHS)

- ▶ Realisation in 2027
- ▶ Arranged at least 80 000 hectares of nature
- ▶ Since 2013 the Dutch provinces are responsible for the realisation of NEN, or now known under its new name:
Nature Network Netherlands

Ecologische Hoofdstructuur (EHS), 2011



Characteristics of MJPO

- ▶ Main goal: mitigate the defragmentation of the existing national infrastructure (main road, rail and canal network)
- ▶ Started in 2004 as a collaboration of 3 ministries:
 - ▶ Agriculture, Nature and Food Quality
 - ▶ Housing, Spatial Planning and the Environment
 - ▶ Transport, Public Works and Water Management
- ▶ Now: only Ministry of Infrastructure and the Environment
- ▶ 178 identified bottlenecks to solve with around 550 measures
- ▶ To be finished in 2018
- ▶ Contribution of Ministry I&E to the realisation of the EHS/NNN

Execution strategy

1. There is exchange of information between the government and other governments and / or stakeholders: a provincial platform
2. Regional approach, measures are 'custom made'
3. Connection with current initiatives as much as possible.
4. Not only a better ecological network...
 - ▶ Road safety
 - ▶ Vital landscape: recreational value of the rural area

Identifying bottlenecks and measures

► 2004

1. A survey by province to the regional identified fragmentation problems and a provincial prioritization thereof.
2. A study on the ecological fragmentation problems at the network level within the EHS and the ecological benefits in solving them.
3. Selection of priority areas from a national point of view.

With the start of each project the ecological necessity and physical conditions and limitations are being reinvestigated.

Organisation MJPO

- ▶ Client: Ministry of Infrastructure and the Environment
 - ▶ Contractors: Rijkswaterstaat (road and canal) and ProRail (rail)
 - ▶ The provinces are responsible for the implementation of national ecological network.
 - ▶ In cooperation with nature management organisations (NGO's).
-
- ▶ Steering committee
 - ▶ Program committee
 - ▶ Provincial platforms
 - ▶ Coordination centre
 - ▶ Regional project teams per bottleneck

Measures within MJPO

- ▶ Ecoducts (+/- 36)
- ▶ Improved civil works (co-use)
- ▶ Fauna tunnels
- ▶ Fauna exits at canal banks
- ▶ Guiding: (stump wall, fence)
- ▶ Ongoing embankment under bridges



Lessons learned

- ▶ Achievements:
 - ▶ Spin off
 - ▶ Knowledge and research
 - ▶ Network and cooperation
 - ▶ Communication
- ▶ Vulnerabilities
- ▶ Factors of success (so far...)

Achievements

Spin off



- ▶ Measures realized at non-national infrastructure (provincial and local roads) connected with MJPO-measures
- ▶ Investments attracts investments: MJPO-budget multiplied by other sources

Achievements

Knowledge and research

COST 341

Habitat Fragmentation due to Transportation Infrastructure

WILDLIFE AND TRAFFIC
A European Handbook for Identifying Conflicts and Designing Solutions



Cooperation
in the field of Scientific
and Technical Research



ECOROAD

CEDR TRANSNATIONAL ROAD RESEARCH
PROGRAMME
Call 2013

ECOROAD

Template for submission - Part A
September 2013

Cooperando in confidenza

Leidraad
Faunavoorzieningen bij
Infrastructuur



mjpo

Richtlijnen voor
inspectie en
onderhoud
van fauna-
voorzieningen
bij wegen



Rijswaterstaat

- ▶ Netherlands by means of MJPO one of the leading countries on defragmentation
- ▶ Contribution to European Handbook COST 341 and several national handbooks.
- ▶ Participant in professional, international networks (e.g. IENE, ICOET, CEDR)
- ▶ Center of national network



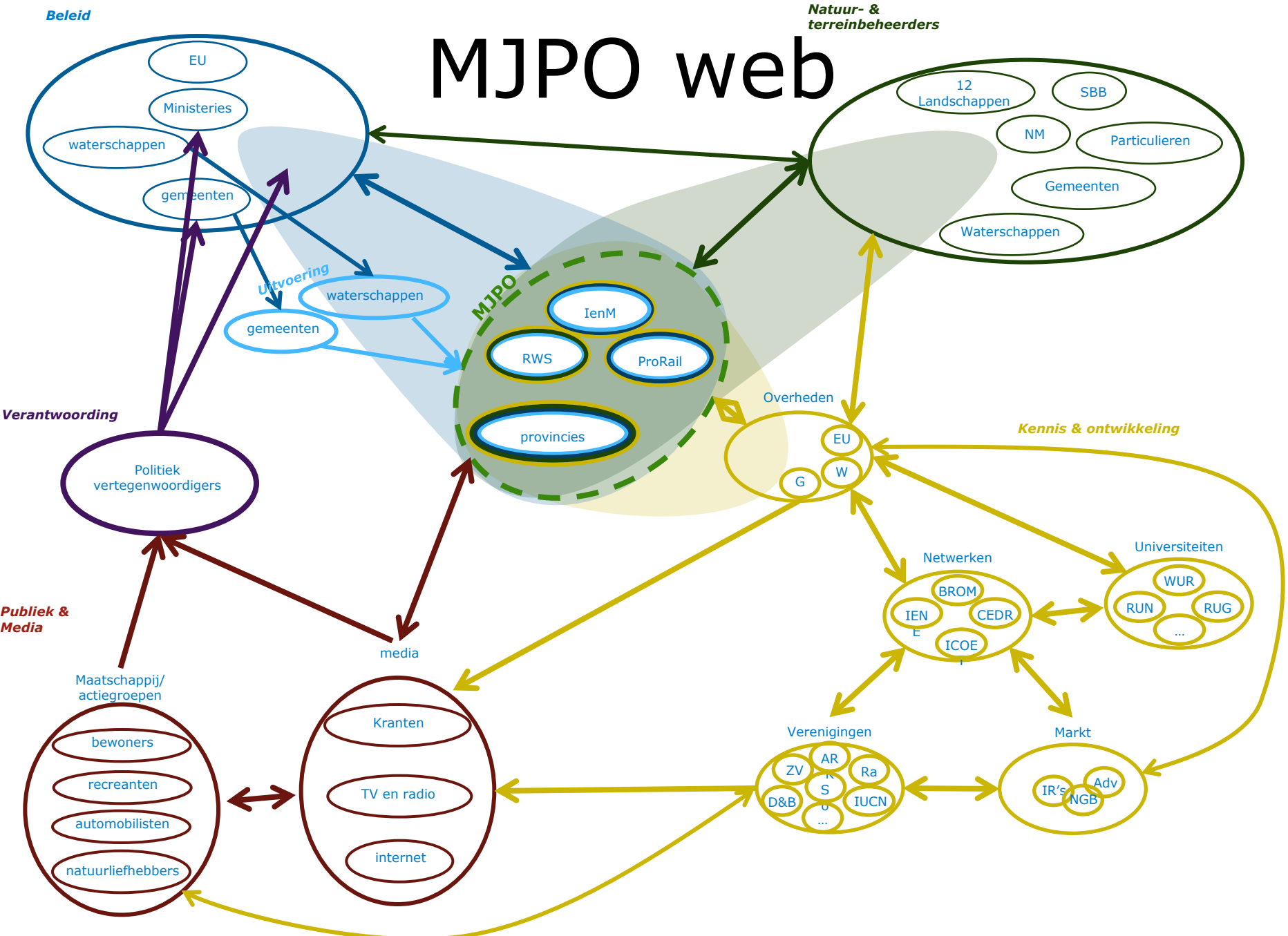
Achievements

Network and co-operation

- ▶ Regional approach is core of execution strategy
- ▶ Pairing projects: linking ecological measures to larger infrastructural projects = combined efforts
- ▶ Regional spin-off: investing leads to investing



MJPO web



Achievements

Communication and public support







Achievements

Communication and public support

Put effort in transparent information, explaining usefulness and creating awareness

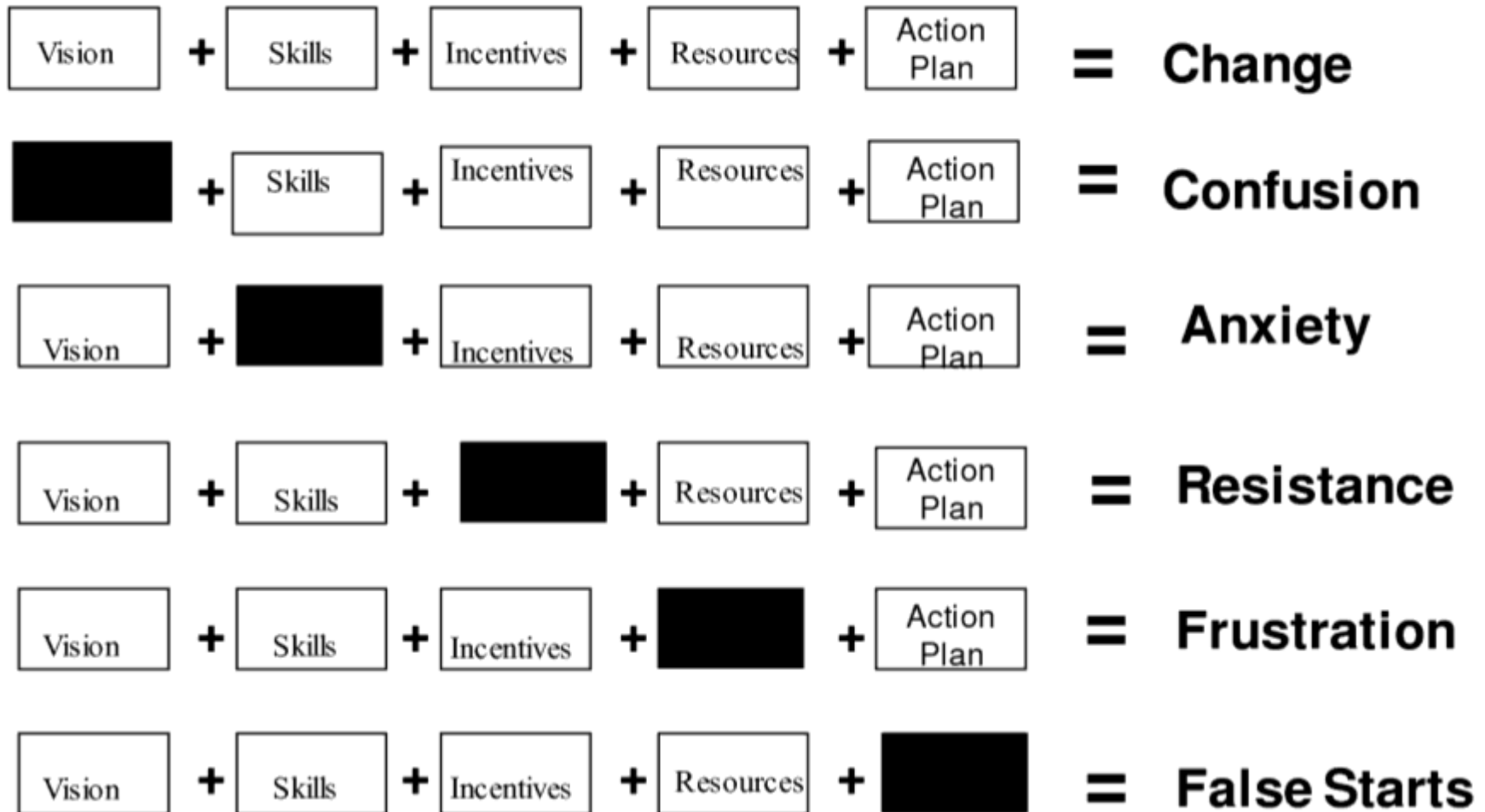
- ▶ To bosses and decision makers
- ▶ To politicians
- ▶ To involved organisations and colleagues
- ▶ To (local) public and press



Vulnerabilities

- ▶ Political attention and public support
- ▶ Knowledge gap on effectiveness
- ▶ Management and maintenance

Managing Complex Change



Management model. Dr. Mary Lippitt (1987)



Finale MJPO: IENE conferentie 2018

- ▶ Internationaal kennisplatform op gebied van infra en ecologie
- ▶ 400-500 deelnemers
- ▶ Samenwerking MJPO, Vlaamse overheid, provincies Noord-Holland en Noord-Brabant
- ▶ Thema: Crossing borders
- ▶ September 2018

http://www.mjpo.nl/

Werkwijze Projectbeheer... Vaste commissie voor Inf... corpora.intranet.rws.nl Intranet Rijswaterstaat Mobility Mio - MJPO

Bestand Bewerken Beeld Favorieten Extra Help

Extranet FAQ Pers Contact

mjpo MJPO verbindt natuurgebieden in Nederland

Waarom MJPO?
 Versterken van natuurgebieden

De oplossingen
 Met slimme voorstellen natuurontwikkelingen

Waar in Nederland?
 Alle hotspots van het MJPO

Nieuws & publicaties
 Monitoring, onderzoek, jaarverslagen

Organisatie
 Samenwerkende partijen

MJPO geeft ruimte aan dieren

Waarom MJPO
 Het herstel van ecologische verbindingen
 [Meer informatie](#)

De oplossingen
 Door de aanleg van faunapassages
 [Meer informatie](#)

Waar in Nederland
 Alle 215 MJPO projecten
 [Meer informatie](#)

Adam Hofland

adam.hofland@rws.nl

+31 6 316 73 93 7

www.mjpo.nl / @MJPO_nl



Opzet

- ▶ Synergy met provincies en gemeenten
- ▶ Samenwerking nationaal, regionaal en lokaal (implementatie en verantwoordelijkheden)
- ▶ Link met nationaal beleid
- ▶ Expert-kennis en tools tbv implementatie
- ▶ Succes- en faalfactoren van implementatie