




Delta Alliance

1. Strategy






Delta Alliance

Mission

To contribute to improved resilience of the world's deltas through:

- Sharing knowledge
- Identifying knowledge gaps
- Developing jointly new knowledge
- Reducing unnecessary overlap
- Building capacity



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Delta Alliance Declaration

The members of Delta Alliance will develop and share knowledge to:

- measure, monitor and report resilience
- provide for improved resilience

In pursuing these goals, members will strive to:

- **share** knowledge, expertise and best practices
- **co-create** and integrate knowledge across deltas and disciplines
- **connect** expertise and parties from throughout watersheds
- incorporate **local** knowledge
- **support** education, policy development, investments and disaster response.

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2. Governance and network development



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Delta Alliance Foundation

- Delta Alliance Foundation in place and functional
- Able to conclude (sub) contracts
- Able to perform financial transactions
- Delta Alliance Foundation will not perform projects




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Conclusion 'Governance and network'

- Delta Alliance Foundation in place and functional
- High interest to become member
- Relation secretariat – wings needs to be strengthened
- Not all Wings were equally active
- Dutch Wing needs enforcement



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3. Partnering

Most promising cooperation

- Continued cooperation with the Global Water Partnership (GWP)
- and the GEF Trans-boundary Waters Assessment Programme (TWAP)
- Closer cooperation with the Dutch Ministries






*Development of Methodologies
for GEF Transboundary Waters Assessment
Programme (TWAP)*




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Conclusion 'Partnering'

- Dutch Wing as a portal for I&M, TS Water and departments, can perform an important role in the Dutch Watersector
- Partnering with GWP and UN will give Delta Alliance a strong international position.



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4. Knowledge sharing

Main activities

- Organisation of and participation in international conferences and workshops: keynotes, presentations, delta-sessions
- Capacity building activities (6 major workshops)
- Newsletter
- Website




The slide features a header with the Delta Alliance logo and a background image of a river delta. To the right of the title are two small images: a boat on a river and a city skyline. Below the title is a list of main activities. At the bottom, there are four overlapping images of Delta Alliance publications, each with a 'Delta Alliance' logo and a 'Knowledge for Climate' logo.

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Conclusion 'Knowledge sharing'

- Many knowledge sharing activities in terms of workshops, conferences etc.
→ International profile
- In addition: focus on targeted activities with active Wings
- Interaction between wings to be improved
- Use more diverse methods of communication



The slide features a header with the Delta Alliance logo and a background image of a river delta. To the right of the title are two small images: a boat on a river and a city skyline. Below the title is a list of conclusions. At the bottom, there is a large aerial photograph of a city skyline along a river, with a 'Delta Alliance' logo and a 'Knowledge for Climate' logo in the bottom right corner.

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5. Knowledge Development



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Knowledge gaps analyses

| | Nile | Indus-Ganges | Yangtze | Ciliwung | Mekong | Shweli | Damodar | California Bay-delta | Mississippi River delta |
|--|------|--------------|---------|----------|--------|--------|---------|----------------------|-------------------------|
| Occupation layer | | | | | | | | | |
| Socio-economic scenarios (6) | • | • | | | | | | | |
| Water use and treatment (5) | • | • | • | | | | | | |
| Integrated spatial planning (5) | • | • | • | | | | | | |
| Ecosystem services (5) | • | | • | | | | | | |
| Land-use change modelling (4) | • | | • | | | | | | |
| Adaptation to salinisation (2) | • | | | | | | | | |
| Network layer | | | | | | | | | |
| Freshwater management (7) | • | • | • | | • | • | | | |
| Dikes and dams (5) | • | • | • | | • | • | | | |
| Transport (3) | • | • | | | • | | | | |
| Flood forecasting/early warning systems (1) | | | • | | | | | | |
| Base layer | | | | | | | | | |
| Effects of changes/ eco-system functioning (9) | • | • | • | • | • | • | • | • | • |
| Building with nature and natural safety (8) | • | | • | • | • | • | • | • | • |
| Monitoring changes (7) | • | | • | • | • | • | • | • | • |
| Predicting changes (7) | • | | • | • | • | • | • | • | • |
| Base-layer data management (3) | | | • | • | | | | | |
| Governance | | | | | | | | | |
| Governmental roles and arrangements (6) | • | | | • | • | • | | • | • |
| Integrated delta management (6) | • | • | • | • | • | | • | | |
| Communication/capacity building (4) | • | • | • | | | | | | |
| Financial arrangements (4) | | | • | | | • | | | |
| River basin cooperation (2) | | • | • | | | | | | |
| Policy impact studies (1) | | | | • | | | | | |


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Also portfolio of > 20 project ideas from the Wings



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Comparative assessment



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Scorecards

| Current situation | Land and water use (occupation layer) | Infra-structure (network layer) | Natural Resources (base layer) | Governance | Resilience & Sustainability Indicator | | |
|--------------------------------|---------------------------------------|---------------------------------|--------------------------------|------------|---------------------------------------|-------------------|------------------|
| | | | | | Current | Moderate Scenario | Extreme scenario |
| <i>Nile Delta</i> | -- | 0 | - | 0 | - | - | -- |
| <i>Incomati</i> | 0 | - | - | - | - | - | -- |
| <i>GBM Delta</i> | -- | -- | -- | 0 | -- | - | -- |
| <i>Yangtze Delta</i> | - | + | - | 0 | 0 | 0 | -- |
| <i>Ciliwung Delta</i> | -- | - | -- | - | - | -- | - |
| <i>Mekong Delta</i> | 0 | 0 | - | 0 | 0 | + | 0 |
| <i>Rhine-Meuse Delta</i> | + | ++ | 0 | + | + | 0 | - |
| <i>Danube</i> | + | + | + | 0 | + | 0 | 0 |
| <i>California Bay-Delta</i> | 0 | - | - | 0 | - | 0 | - |
| <i>Mississippi River Delta</i> | 0 | 0 | - | 0 | - | 0 | - |

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The poster features a top banner with the Delta Alliance logo and two small images of water landscapes. The main title 'Young Professional Award (2010 en 2012)' is in blue. Below it is a large image of the award poster, which includes the Delta Alliance logo, a 'Knowledge for Climate' logo, and the text 'Delta Alliance Young Professionals Award' and 'Innovative solutions for delta challenges worldwide'. At the bottom of the poster are logos for various partners including the Ministry of Infrastructure, ARCADIS, and others. The website 'www.delta-alliance.org' is at the bottom.

Conclusion 'Knowledge dev'

- Activities well in line with the strategy.
- Comparative Assessment needs follow up
- Knowledge gaps identified
- Young Professional Award provided inspiration for innovation
- In addition: focus on targeted activities with active Wings


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6. Phase 3 (on-going)

1. Development of a comprehensive framework for adaptation in deltas
2. Knowledge for Impact Activity 1 (Bangladesh)
3. Knowledge for Impact Activity 2 (Mozambique)
4. Knowledge for Impact Activity 3 (California)
5. Partnering and services
6. Profiling and fund raising for spin-offs
7. Network & Foundation



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WP 2: Bangladesh

Challenges



- Sediment load, salinity, trans-boundary issues, high population pressure, economic growth.

Response



- Bangladesh Delta Plan

DA contribution

- Making available grey literature
- Define research agenda (concrete proposals and funding options)
- Enforcement of Bangladesh DP

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WP 3: Mozambique

Challenges in Lower Zambezi & Delta


- Flood and drought risks, salts accumulation
- Lack of institutional and human capacity for irrigation development

Response



- Support for IWRM and irrigation development
- Agricultural developments in Beira

DA contribution

- Tool that visualises flood risk areas in Lower Zambezi for end-users (farmers, population, water agencies, etc.)
- Visualisation of risks will increase awareness



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WP 4: San Francisco Bay, California

Challenges

Key challenges: \$64 billion in assets at risk because of flooding / sea level rise. Wetland restoration

Response


Protection of assets and lives against floods, and restoration of wetlands to balance the built and unbuilt environments

Contribution DA


Share integrated planning approach, gain the experience on governance and equity issues.

Spin off

- Positioning for the Netherlands to compete in tenders
- Expansion to the Sacramento-San Jose area



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7. Outlook: the international network

No changes to general mission and strategy, but added value needs to increase:

- Use results of the Comparative Assessment as guidance for knowledge strategy
- Focus more on specific issues in the DA Wings
- Improve, repeat and extend Comparative Assessment
- Continue building 'Comprehensive Delta Approach'
- Improved dialog with clients
- Deliver tangible and high quality deliverables
- Introduce new ways of communication

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7. Outlook: the international network

Changes in the organisation

- Formalise relation with Wings, focus on active wings, wave contribution
- Enforce International Secretariat (revolving participation by other Wings)
- Strengthen relation between Wings – Secretariat
- Strengthen role of Advisory Board (improves ownership, increases focus)

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7. Outlook: the Dutch Wing


Needs to be enforced:

- Focus on knowledge for impact
- Predominantly knowledge partners
- Portal function for ministries and top sector
- Act jointly in priority countries

Required:

- Commitment from knowledge institutes
- Broader participation (institutions and individuals)
- Strong coordination

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Outlook: Funding Strategy

- International: cooperation with GWP
- Dutch Wing:
 - Knowledge portal for ministries
 - Own contribution institutes (temporarily)
- Other international funds
- Reducing costs
- Clear funding strategy needs to be developed before the end of 2013

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