

LogFrame Matrix

Please refer to the definitions below and insert more rows as needed.

	List approved objectives/outputs/outcomes	Indicators and means of verification	Progress/results achieved
Objective # 1	To assess impacts of Climate Change (CC) on Water Disaster (WD) and consequently on aquaculture/agriculture in Central Vietnam (Nghe An, Ha Tinh and Quang Binh provinces - NHQ)	<ul style="list-style-type: none"> • Reports on the assessment of CC • Flood Maps • Drought index Projections • Results of saline intrusion projections • Reports on the impacts of WD on aquaculture, agriculture 	<ul style="list-style-type: none"> • Reports on the assessment of CC in the past and in the future over NHQ, including trends for some climate variables and their extremes, have been done • Required historical flood maps in 2010 and 2013, and projected flood maps corresponding to two CC scenarios have been conducted • Projected drought indices are being finalized • The model outputs of saline intrusion projection in NHQ corresponding to the CC scenario have been obtained and analyzed • Reports on the extent of damage caused by WD to economy and society, in general, and to aqua-agriculture, in particular, in NHQ have been done
Objective # 2	To develop a working model of scientists, authority and local community representatives for indigenous and scientific knowledge integration	<ul style="list-style-type: none"> • Participatory research approach, theoretical framework, and toolkits • Joint field surveys and working discussions with the attendance of multi stakeholders • Writing joint publications • Team working with participation of Vietnamese and Danish researchers and local people 	<ul style="list-style-type: none"> • Reports on research approach, theoretical framework, and toolkits have been done • The mechanism of team working with participation of Vietnamese and Danish researchers, and local authorities and communities has been established and applied to joint fieldworks, seminars, workshops, meeting discussions, writing scientific papers and especially to the Participatory Information System (PIS) development • Frequently exchange information among WPs and contact persons from NHQ
Objective # 3	To establish an Information System for scientific research, decision making process and community needs in vulnerability reduction and to transfer the technology to local	<ul style="list-style-type: none"> • Web-based PIS with 3 functions of (i) storage of various data; (ii) data analysis; and (iii) information communication which will be transfer to the local governments and communities 	<ul style="list-style-type: none"> • The PIS has been constructed and transferred to the NHQ local community and authority as end-users • Local communities as end-users, including provincial, district and communal levels was

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	authorities and community	<ul style="list-style-type: none"> • Equip computer stations with PIS installed and Internet connection for local communities, including provincial, district and communal levels • Training workshops on PIS for local people in NHQ 	<p>equipped the computer stations with PIS installed and Internet connection and other accompanying accessories</p> <ul style="list-style-type: none"> • Training workshops on PIS for local people in NHQ at different levels have been held
Objective # 4	To develop human resources in the field of CC	<ul style="list-style-type: none"> • Master and PhD student training • Internship abroad for PhD students • Establish interdisciplinary working team • Training local people 	<ul style="list-style-type: none"> • Four Master students have been directly involved in project activities under the supervision of project key researchers, and they all successfully defended their thesis and graduated. • Four PhD students have been screened and worked in the project. One of them defended successfully his dissertation and graduated, another one submitted the dissertation to her supervisor. • Three PhD students have been sent to abroad (two to Kyoto University, Japan, and one to Cologne University, Germany) for one month internship. • Many national and international meetings and seminars between Vietnamese and Danish scientists with different scientific areas were held to exchange experiences and knowledge. By that way, a team working mechanism has been setup • Many seminars, workshops, meeting discussions have been organized in which local communities participated to exchange experiences and indigenous knowledge with scientists • Training workshops for local people, including provincial, district and commune levels, on PIS and its application have been carried out.
Output # 1	An integrative working model to establish the information system: Multi-stakeholder participatory mechanism involving scientists, local	<ul style="list-style-type: none"> • Number of joint field surveys and working discussions with the attendance of multi stakeholders • Number of joint publications 	<ul style="list-style-type: none"> • 7 joint fieldworks were carried out • 2 joint papers have been published • Website and ftp-server for data sharing • Team working between Vietnamese and Danish

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	authorities and community representatives	<ul style="list-style-type: none"> Data sharing mechanism Team working National and international seminars, workshops, conferences 	<p>researchers, closely connections between scientists and local contact persons and communities</p> <ul style="list-style-type: none"> Many seminars and workshops was held with participation of the Vietnamese and Danish researchers and of the local authorities, including two international workshops in Ha Tinh City on 08th December 2014 and in Vinh City on 18th-20th December 2015
Output # 2	A Participatory Information System (PIS) for vulnerability reduction and resilience enhancement: Knowledge Base, Geo-Database, Series of tools	<ul style="list-style-type: none"> A web-based Participatory Information System (PIS) mentioned above 	<ul style="list-style-type: none"> The PIS has been constructed and transferred to the local people as end-users, including computer stations with PIS installed
Output # 3	Human resources: Intensive courses for young scientists; Training PhD and MSc students; Skillfulness of researchers and local officials in integrating indigenous and scientific knowledge; local officials participating in system setup and trained for CC impact assessment to aqua/agriculture; Increased awareness of coastal and lowland community; Improved preparedness and enhanced resilience capacity of local community	<ul style="list-style-type: none"> Number of PhD and Master students Number of internships abroad Number of participants attending international conferences/workshops Number of local peoples, officials attending the training workshops on PIS 	<ul style="list-style-type: none"> 4 PhD and 4 MSc students have been involved in the project, in which 4 MSc and 1 PhD students successfully defended their thesis/dissertation and graduated 3 PhD students were one month internship in Japan and in Germany 4 key researchers, 3 MSc students and 7 other members of project participated international workshops in Myanmar, Cambodia, Phillipine, Vietnam; 2 France MSc students (come to Vietnam), and 1 Canada MSc student (uses data to write report) Many local people, including farmers and authorities participated meeting discussion with scientists, especially delegates from NHQ who are representative of provincial, district, communal and village levels participated the workshop on PIS at Ha Tinh City on 8th December 2014, and workshop at Vinh City on 18th-20th December 2015.
Output # 4	Publications, documentation, conference/workshop,	<ul style="list-style-type: none"> Number of publications, conferences, workshops 	<ul style="list-style-type: none"> 21 scientific paper have been published, including:

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	communication materials, website, papers, books and scientific articles		<ul style="list-style-type: none"> ○ 10 peer reviewed international articles (ISI) ○ 1 peer reviewed international article (Non ISI) ○ 10 international workshop/conference proceedings and working papers • Many meeting discussion between Vietnamese and Danish scientists and local people from NHQ had been held • 1 project website (http://danida.vnu.edu.vn/) • 1 ftp server with huge amount of data (ftp://danida.vnu.edu.vn/) • Large amount of thematic and fieldwork reports (http://danida.vnu.edu.vn/cpis/files/Chuyen_De/)
Output # 5	Reinforced collaboration and cooperation between Natural Scientists, Aqua/Agriculturists, Soco-economists and institutions in Vietnam and Denmark as well	<ul style="list-style-type: none"> • Number of meetings between WPs, experts, Danish partner • Number of seminars, workshops among groups • Number of joint fieldworks 	<ul style="list-style-type: none"> • Many meetings, seminars, workshops, discussions during project implementation, at which scientists from different areas participated and gave presentations, including Danish researchers • 7 joint fieldworks had been carried out
Outcome # 1	Developing a multi stakeholder participatory approach in reducing vulnerability to climate change for local development	<ul style="list-style-type: none"> • Responses from local governments and communities after the meeting discussions, workshops 	<ul style="list-style-type: none"> • Local peoples are willing to participate the meeting discussions and happy to express their ideas, opinions on how to construct and involve in the PIS • Through the events at which key leaders of provinces, districts sit down along with the farmers to listen to their concerns, both sides come to a consensus perception on the CC induced WD on their territory
Outcome # 2	Increasing resilience capacity of policy/decision makers and local community to climate change impacts	<ul style="list-style-type: none"> • Integration of project outputs to socio-economic development planning 	<ul style="list-style-type: none"> • Provincial and district level leaders are now using PIS as tools of decision making support for their socio-economic development planning processes • All local peoples are now using PIS as tools for their natural disaster prevention, increasing their adaptive capacity and resilience to CC impacts • Both local authorities and communities are expecting the PIS will be maintained after closing project

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Outcome # 3	Contributing to the implementation of Activities 4.1, 4.4 and 4.5 of the National Target Program to Respond to CC (NTP) in NHQ provinces	<ul style="list-style-type: none"> The way that local people use project outputs 	<ul style="list-style-type: none"> Detailed present and future climate information is needed in activities that aims at responding to CC which are now available on project website, ftp server and PIS for users from not only in NHQ but also in all country Peoples from NHQ can use information of CC impact and CC-induced WD assessments for their preparedness and response activities to natural disaster prevention Indigenous knowledge from different locations will be shared for other communities All collected data are available for sharing among stakeholders

The progress/results reporting on outputs and outcomes must be based specifically on those outputs and outcomes approved (listed in the Letter of Commitment for projects granted in 2014 onwards).

TERMS USED:

Objectives/ impact: What the project aims at reaching in the long run. Achieving the objectives constitutes impact.

Outputs: What the project produces as a direct result of its activities, e.g. seminars, publications and PhD degrees.

Outcomes: What the project aims at achieving in the short-term and medium-term. Outcomes are the result of the project outputs but as such outside the direct control of the project. This may include change of policies and/or practices of stakeholders/users of the project outputs.