Annex 3: 6 Monthly Reporting Template

Progress Report

Vulnerability and Climate Change Adaptation Assessment and Supportive Policies at National and Sub-national Levels

Report No.	2	**Period Covered**	April 2011 – October 2011	**Author**	Tilman Hertz

Summary of Progress against Objectives

Progress against Objectives (main & particular)

The main Project Objective (as per agreement): 1) to further develop and replicate the nationally approved V-A methodology, 2) to develop adaptation strategies on local levels, 3) to secure implementation by adequate budgeting and financing, including the development of innovative financing and policy instruments.

Progress as of October 2011: The Project "Vulnerability and Climate Change Adaptation Assessment and supportive policies at National and sub-national Levels" is on the way of reaching the above named project objective. The activities of the first phase (scientific phase) have been completed and most draft reports are available:

- *Tarakan*: Synthesis Report, Climate & Temperature Projections, Sea Level Rise Projections, Coastal Sector, Health Sector, Water Sector
- *South Sumatra*: Climate & Temperature Projections, Sea Level Rise Projections, Coastal Sector, Health Sector, Water Sector, Agricultural Sector (Synthesis Report to follow in December 2011)
- *Malang Raya:* Climate & Temperature Projections, Health Sector, Water Sector, Agricultural Sector (Synthesis Report to follow in December 2011)

The Draft Versions of these reports are to be found on the CD attached to this progress report

At the same time, activities of the second phase, policy phase, have started already in March-April 2011. A first series of meetings to prioritize the adaptation options and to prepare the mainstreaming of the results of the analysis into the various development plans have already been held for Tarakan, South Sumatra and Malang Raya. Progress against the particular objectives (as per agreement) is discussed in more detail below. As of now, it can be said that the scientific phase is completed (except the drafting of the Synthesis Reports for Malang & South Sumatra), whereas the policy phase is completed by 2/5. A number of events have been organized up to this point in the project course to support these activities needed to reach the main & particular project objectives (see ANNEX 1 for a List until Mid September 2011).

Particular Objectives (as per agreement):

1. **Particular Objective:** To enhance awareness on climate change impact and its management for regional/local government and stakeholders.
   Progress: two Public Consultations have been held in Tarakan and South Sumatra. For Malang Raya only one Public Consultation has been held and, for the sake of efficiency, no second one but head to head in depth discussions

between the experts and relevant representatives of local governments have been conducted.

The Public Consultations and the in depth discussions served two purposes: first, enhancing awareness on climate change impact and its management for local governments and second, to revise/refine the Climate Change Risk Maps (these GIS Maps show Climate Change Impact for 2030). To serve these purposes, it was necessary to reach a wide audience. Participants of the Public Consultations included therefore the local/regional governments (BAPPEDA, WALIKOTA), the respective DINAS (esp. Agriculture, Health, Marine and Fisheries, Public Works) and other important stakeholders (NGOs, Agricultural Association etc…).

Next to these events, the project has started to establish a more permanent platform to enhance awareness on climate change impact and its management for all Indonesian regional/local government and stakeholders. A concept for a web based Climate Change Information Clearinghouse, specifically tailored to the needs of local/regional governments has been developed and handed over to KLH.

2. **Particular Objective**: to further develop, replicate and apply methods and tools, which have been applied in Lombok Island (Risk and Adaptation Assessment to Climate Change on Lombok Island, KLH and GIZ, 2009) to South Sumatra province, Tarakan City and an urban area on Java Island in order to assess climate change vulnerability and design adaptation strategies as well as to integrate its result into regional/local development planning.

   Progress: The methods and tools which have been applied in Lombok Island (the "Lombok approach", NTB Province) have been further developed, refined and applied to South Sumatra province, Tarakan City and Malang area. This relates especially to 3 elements:

   Development of a micro approach. In South Sumatra the meso level approach that has already been used on Lombok has been replicated. However, also a micro level approach has been newly developed and applied in Tarakan Municipality and in parts of Greater Malang (Malang Raya). Some distinctive characteristics of the micro approach compared to the meso one are: (1) The level of accuracy is high; (2) Output of study are Adaptation Measures (as compared to Strategies for the meso level and Policies for the macro level); (3) Area covered is Regency or Municipality. For instance, with the micro level approach in Tarakan, it is possible to determine the exact number of potentially inundated houses by sea level rise, while in South Sumatera, the meso level assessment considers the area that will be potentially inundated based on land use classification.

   Integration of low scale development scenarios. Furthermore, the "Lombok approach" has been further developed by integrating low scale development scenarios into the analysis (combining trend parameters such as population growth with long term Land Use Maps) in order to give a more accurate idea of Future Vulnerability to Climate Change.

   Prioritization of Adaptation Options & Mainstreaming into Development Planning. Finally, another shortcoming of the "Lombok approach" has been addressed in the framework of the present project: the "Lombok approach" did only list adaptation options and did not treat them further. In the framework of the present project, a prioritization tool for adaptation options has been developed and applied alongside a more structured approach for the mainstreaming of adaptation options

3. **Particular Objective:** To mainstream adaptation to climate change into regional/local development planning.

Progress: This project will, as planned, influence the annual development plans for 2012 and draft policy recommendations to be integrated into the next RPJMDs (Local Midterm Development Plans), on the basis of Law 32/2009. Although it is not mentioned in the Agreement between AusAID and GIZ, this project also focuses on Spatial Planning (RTRW). Windows of opportunity for influencing the various spatial & development plans have been identified and corresponding events organized: For Tarakan, three events that address (among others) the mainstreaming of climate change adaptation into RPJMDs and RTRW have already taken place, one in the aftermath of the 2nd Public Consultation, a second one in early February 2011, and a third one in May 2011. For South Sumatra, an event for influencing especially the RTRW was held in the aftermath of the 2nd Public Consultation and a second one for influencing RTRW and RPJMs in July 2011. For Malang Raya, the mainstreaming process has been socialized during the first Public Consultation in April 2011 and an event with a focus on RTRW and RPJMDs has been held in August 2011.

4. **Particular Objective:** To build capacity of stakeholders related to vulnerability and adaptation issues on the local level.
   Progress: The team is currently preparing 2 types of Guidelines so as to increase the Capacities for Stakeholders on the local level. These are Guidelines for doing Climate Change Risk Assessments (KRAPI - Pedoman Kajian Risiko dan Adaptasi Perubahan Iklim) and Guidelines for Mainstreaming Vulnerability and Adaptation Issues into Development Planning. A first draft of KRAPI is available. The process of discussing KRAPI with other expert teams, especially with the AusAID funded CSIRO project on Lombok, is planned at taking place at the End of 2011/early 2012. A first Draft of the Guidelines for Mainstreaming Vulnerability and Adaptation Issues into Development Planning is currently under development.

5. **Particular Objective:** To streamline aspects of climate change adaptation and disaster preparedness (Case study South Sumatra)
   Progress: A Consultant has been contracted in order to identify possible mechanisms so as to streamline Disaster Risk Governance Regimes and Climate Change Adaptation Governance Regime at the local level. The case study is South Sumatera province. A first Draft of the study is available and currently under review.

6. **Particular Objective:** To support and provide input to national level policy-making and development planning, especially with a view to support local level adaptation strategies and planning.
   Progress: National level policy making and development planning should support local level adaptation. There are essentially two ways of supporting local level adaptation. One is by improving national level policy framework conditions so as to improve local level adaptation, the second is by giving direct substance input into a national strategy in terms of e.g. climate change vulnerabilities, thereby supporting the implementation of the strategy.
   At present, the project "Vulnerability and Climate Change Adaptation Assessment and supportive policies at National and sub-national Levels" focuses on the first way, in view of supporting the second at a later stage, in the framework of a potential upscaling of the project (e.g. by doing Climate Change Risk Assessments for all priority areas in Indonesia: on the basis of such CCRAs, the implementation of a national strategy can be supported considerably).
   As far as this first way is concerned, all planned activities are now underway:

Guidelines for doing Climate Change Vulnerability Assessments (in process) and the Guidelines for Mainstreaming Climate Change Adaptation into Development Planning (in process). Providing information about funding options for financing Climate Change Adaptation activities (in process) and how to streamline it with Disaster Risk Reduction (in process) will follow soon. As far as the second element is concerned, there are currently discussions within BAPPENAS, DNPI and KLH to develop and implement a National Climate Change Adaptation Strategy. There exist currently several national policy guidance documents such as the Indonesia Climate Change Sectoral Roadmap (ICCSR) or the 2nd Nat Com that identify what area in Indonesia will be at risk of drought, floods etc. This is very useful when identifying priority areas and formulating general policies. But it is not enough when it comes to implementing these general policies via concrete actions on the local level and estimating the corresponding financial need. For this, these priority areas require a detailed analysis that can support the implementation of such a strategy for climate change adaptation – the approach developed by this project is an approach that can provide these detailed local analyses. The project "Vulnerability and Climate Change Adaptation Assessment and supportive policies at National and sub-national Levels" currently advises the respective units in BAPPENAS and KLH: an upscaling of the present project to all priority areas in Indonesia, as one element (among others) required for national strategy formulation and implementation, is an important element of this advice.

7. **Particular Objective:** To develop the capacity of local government in fiscal and financial areas and increase their capability in accessing national and international sources of fund. The financial mechanism should be developed in the context of the Indonesia Climate Change Trust Fund (ICCTF) investment window on adaptation and resilience, thereby providing the mechanism to the ICCTF, which local governments can use to access funds.
   Progress: This activity has started and is expected to be completed early 2012. As the area of Climate Change Adaptation is a fairly recent issue, there is still lack of clarity when it comes to local level financing for climate change adaptation options/activities. The current legislation in this area (in the context of decentralization) will be studied, complemented by discussions with local (kota, kabupaten, province) and national stakeholders followed by an assessment of the existing mechanisms (among which the ICCTF is one, next to fiscal, financial and economic mechanisms as well as budgets) for adaptation options and recommendations per adaptation option. Elements of this study will complement the policy documents which are prepared for the local governments of Tarakan, South Sumatra and Malang Raya. The results of this exercise will be disseminated nationally so as to increase the capacities of local governments for accessing esp. national public sources.

Indicators

Phase 1 Indicators:

1. **Climate change adaptation and vulnerability database is available and used by local governments and stakeholders.** Status: The concept for a web-based Climate Change Adaptation Information Clearinghouse for local governments has been completed and has been submitted to KLH. Discussions will start in the course of this month (October 2011)
2. **V-A assessment report is available and recommendations are agreed upon by local governments and city administrations.** Three V-A Assessment reports are

completed by the project. A V-A Assessment Report consists of following: Sectoral Reports and Synthesis Reports. Status: All Sectoral Draft V-A Assessment Reports are available. Draft Synthesis Report for Tarakan is available, Draft Synthesis Reports for South Sumatra and Malang to follow in December 2011

Phase 2 Indicators:

1. **Policy recommendations related to the inclusion of V-A issues into local level RPJM and annual strategic plans are available and endorsed by local governments.** Status: Some policy recommendations for Tarakan have been endorsed by local governments in the framework of the finalization of the spatial plan (RTRW). The other recommendations are in the process of being formulated jointly with the local governments of Tarakan, South Sumatra and Malang (this refers to the prioritization and mainstreaming process).
2. **A workable financial mechanism to provide funding for local level adaptation strategies is available.** The project is in the process of providing an overview & assessment of existing financial mechanisms to support local level adaptation activities/options.

Contribution to AusAID Outcomes & Indicators

AusAID targeted Outcome: "Locally generated new knowledge of climate change adaptation being used in strategy development at all levels of government
Contribution to AusAID targeted Outcome: The project "Vulnerability and Climate Change Adaptation Assessment and supportive policies at National and sub-national Levels" provides directly several types of information that can be used in strategy development at all levels of government. On the one hand the project supports the formulation of local Climate Change Adaptation action, by providing detailed information about the vulnerability of some areas (Tarakan, South Sumatra and Malang) to Climate Change. This approach is designed in such a way that it encourages the incorporation of locally generated knowledge. On the other hand, the outputs of the project facilitate the nationwide, national development of a Climate Change Adaptation strategy by disseminating widely the lessons learned from this project in order to improve the national framework policy conditions for multi-level Climate Change Adaptation. This relates especially to the drafting of Guidelines for doing CCA Assessments & training of Centers of Excellence for using such Guidelines, as well as Guidelines for mainstreaming CCA into development planning, identifying & exploring funding options for Climate Change Adaptation as well as the streamlining with Disaster Risk Management.

Indicators

1. **Pilot CC vulnerability needs assessments undertaken at district and provincial levels.** Contribution of the project to AusAID indicator: Pilot CC vulnerability assessments are undertaken at district level (Tarakan, Malang) and province level (South Sumatra).
2. **National Strategy informed by the vulnerability assessments.** Contribution of the project to AusAID indicator: Up to now, only National Policy Guidance Documents exist in the area of Climate Change Adaptation, such as the ICCSR (Indonesia Climate Change Sectoral Roadmap), the Second National Communication, or the Yellow Book. No nationally approved Climate Change Adaptation Strategy exists. There are discussions within BAPPENAS, KLH and DNPI for the need of such a National Strategy. The GIZ team advises the

	respective units in BAPPENAS and KLH regarding the need for a National Climate Change Adaptation Strategy that should include clear targets, time plans, clear work sharing among the different Indonesian institutions, corresponding finance and a robust legal mandate. Such a strategy will need to be based on Vulnerability Assessments, such as they are done in the framework of the present project. An upscaling of these Vulnerability Assessments (from pilots towards a comprehensive approach based on priority regions) will be necessary and constitutes an important element of GIZ advice. 3. **Capacities built across the national and sub-national levels to prepare adaptation and mitigation plans.** Contribution of the project to AusAID indicator: the project "Vulnerability and Climate Change Adaptation Assessment and supportive policies at National and sub-national Levels" aims at improving policy framework conditions for local level adaptation, thereby improving the Capacities of the stakeholders to formulate & implement adaptation and mitigation plans. Guidelines for doing Climate Change Risk Assessments, Guidelines for Mainstreaming Climate Change Adaptation into the multi level spatial & development plans, the identification of Climate Change Adaptation funding options for the local level and a streamlining of Climate Change Adaptation and Disaster Risk Management on the local level are examples. Furthermore, it is planned to train some Centers of Excellence (Universities) in the use of the CCRA method. Under the leadership of KLH, the CCRA method has been presented to Universities in Sumatra and Sulawesi. Similar events for Universities on Java and Kalimantan are planned in the near Future.

Activities (as per agreement)	**Progress/developments**
1. Define the problem and establish the context	Completed for all three areas
2. Identify (local/regional) climate hazards and overlying natural disaster risks	Completed for all three areas
3. Identify vulnerabilities of key impacted sectors	Completed for all three areas
4. Analyze and evaluate the risks and risks in combination	Completed for all three areas
5. Assess appropriate adaptation strategy based on the risk	In process. Two events for prioritizing adaptation options (Tarakan and South Sumatra in October 2011) have been conducted.
6. Integration into development policies at local level	In process. Integration activities have started for Tarakan in February 2011 and South Sumatra in March 2011 and for Malang August 2011. Possible areas for influencing the spatial & development planning have been identified during these events.
7. Integration into development policies on national government level:	In process. Integration activities have started: National Framework Policies for local level adaptation will be improved through following elements:

improvement of the framework policies for enabling adaptation on local levels	• Guidelines for doing Climate Change Risk Assessments (KRAPI) – STATUS: very first draft available • Guidelines for Mainstreaming Climate Change Adaptation into the various development plans – STATUS: approach has been developed, will be used as basis for the first draft • Streamlining of Climate Change Adaptation and Disaster Risk Management on the local level – STATUS: Draft report available, will be used as basis for formulation of pragmatic policy guidance • Identification of Funding options for local level Climate Change Adaptation – STATUS: see below
8. Design of effective financial and economic instruments to address adaptation action at local level	In process. A public finance expert has been contracted and has started with a desk study & literature review for CCA financing in Indonesia.
9. Training of local officials and staff (awareness of climate change VA, options for adaptation action)	Not yet started
Issues Impacting Progress	At the present moment, there are no issues impacting progress. It is hoped that time will be sufficient to complete all remaining tasks.
Activities for Next 6 months	**Work to be Undertaken**
1. Identify vulnerabilities of key impacted sectors	Draft reports are being finalized
2. Analyze and evaluate the risks and risks in combination	Draft reports are being finalized
3. Assess appropriate adaptation strategy based on the risk	On the basis of the Climate Change Risk Maps, the sectoral experts propose adaptation options. In October and November 2011 (Tarakan: October 11-12, South Sumatra: October 27-28, Malang: November 14-15) these will be prioritized. On the basis of the prioritization, the local level adaptation strategy will be formulated.
4. Integration into development policies at local level	Once the local adaptation strategy is available, the mainstreaming of adaptation options into development & spatial planning has to be designed. A central event (tentative Date 10-15 December 2011) is planned for all 3 areas in Jakarta, where also the national line ministries will be invited to identify & determine their support in local level adaptation. The policy documents that summarize the integration into present annual plans and upcoming RPJMDs will be prepared early 2012.

5. Integration into development policies on national government level: improvement of the framework policies for enabling adaptation on local levels	Next activities: • Guidelines for doing Climate Change Risk Assessments (KRAPI) – STATUS: refinement of the first draft, discussion within a wider audience, finalization of the Guidelines • Guidelines for Mainstreaming Climate Change Adaptation into the various development plans – STATUS: testing the approach in the pilot regions, finalization of the Guidelines • Streamlining of Climate Change Adaptation and Disaster Risk Management on the local level – STATUS: refinement of the report, formulation of pragmatic policy guidance • Identification of Funding options for local level Climate Change Adaptation – STATUS: see below
6. Design of effective financial and economic instruments to address adaptation action at local level	After the desk study & literature review is completed, the expert will conduct several interviews with relevant stakeholders on the local and national levels in order to then finally asses and then propose funding opportunities for climate change adaptation.
7. Training of local officials and staff (awareness of climate change VA, options for adaptation action)	Starts early 2012
Lessons Learned	In addition to the lessons learned during the last reporting period (c.f. first progress report) and posted here again, there is another point that the project would highlight in the framework of the second progress report (at the end of the section): **First progress report:** The activities in Tarakan, South Sumatra, Malang and previously on Lombok Island give important information about actual and possible capacities (i.e. capacities that could be developed through capacity building) of local governments when it comes to Climate Change Adaptation. This is especially important when designing future Climate Change Adaptation activities in Indonesia in a comprehensive manner. Doing Climate Change Risk Analyses - as they are done by the Project "Vulnerability and Climate Change Adaptation Assessment and supportive policies at National and sub-national Levels" - is not something that can be expected to be done by local governments, even with capacity building. The technical expertise that is needed for doing such analyses is high – nevertheless, such analysis is needed so as to reduce the risk of Mal-adaptation to climate change (*Mal–adaptation* — when decisions are taken that make an activity or region more vulnerable to climate change; *Under–adaptation* — when climate change factors are given insufficient weight in decision making; *Over–adaptation* — when climate change factors are given too much weight - Australian Greenhouse Office, 2005). What can be expected to be done by local governments is the mainstreaming process. Hence, regarding the last activity mentioned above (No. 7, Training of local officials and staff

	(awareness of climate change VA, options for adaptation action), the project proposes to split this activity - especially in view of a potential upscaling: 1. When it comes to conducting the Climate Change Risk Assessments, there is need of more expertise in Indonesia. Hence, the project proposes to train some Centers of Excellence in Indonesia in the use of this method (KRAPI), once it has been refined and input has been gathered by other actors (e.g. CSIRO Lombok project). 2. Hence, the local officials & staff will not be trained for doing the Climate Change Risk Assessments, but specifically for the mainstreaming process of Climate Change Adaptation into Development Planning that will happen on the basis of such assessments. Comprehensive Guidelines will be prepared and disseminated through various channels so as to reach the maximum of local governments. **Second progress report:** The two points mentioned above (training of universities and training of local officials) need to receive particular, additional attention. Because while the development of Guidelines in these two areas is necessary, it remains to be seen whether it is sufficient in the long run. Climate Change Adaptation is a long process, spreading over several years and comprising several elements. To further support Climate Change Adaptation, especially at the local level, it should be discussed whether it would not be useful to call into life a service provider (e.g. a Centre for Climate Change Adaptation) of a more permanent nature so as to assist local governments, when required, in the use of the Guidelines in order to support the entire adaptation cycle. This may become especially relevant in the framework of a National Climate Change Adaptation Strategy where existing activities could be significantly upscaled.
Announcements	There are two Announcements to be made: • Due to Exchange Rate fluctuations (AUD-EUR) there has been a gain of EUR 28.000. In case of no further instructions from AusAID, this money will be used for project activities. • Page 10 of the agreement between AusAID and GIZ stipulates funds reserved for the different categories “Personnel”, “Consultants”, “Equipment”, “Other Costs and Services”, “Management Costs”. The project would like to announce that there will be shifts between these budget lines. The “Personnel” and “Consultant Categories” will be more resource intensive while the “Equipment” and “Other Costs and Services” categories will be less resource intensive.

Conclusions	The project is on the right track. Looking beyond the project's immediate focus, it can be expected that this project has also a great potential for upscaling – especially in the framework of the ongoing discussion about developing a National Climate Change Adaptation Strategy. While the National Level hast to create an enabling environment for multi-level Climate Change Adaptation (especially in the sense of setting priorities, coordination activities, providing appropriate financing and a supportive regulatory frameworks), concrete Climate Change Adaptation activities will happen at the local level. The project provides methods, tools and proven approaches for carrying out comprehensive Climate Change Adaptation activities at the local level and is therefore well suited to complement such a National Climate Change Adaptation Strategy. To this aim, discussions are currently taking place with BAPPENAS, KLH and DNPI as well with other donors & tech. cooperations that work in this area (e.g. JICA).

ANNEX 1 – Events

1.3 Surveys

No.	Agenda	Date	Place
1	Survey for Malang Raya	June 22-25, 2011	Malang Raya
2	Surveys for Malang Raya, Water Sector	July 27-28, 2011	Malang Raya

1.4 Focus Group Discussions

No.	Agenda	Date	Place
1	FGD on Tarakan Assessment and Adaptation Options	May 4-5, 2011	Bandung
2	FGD on South Sumatra Assessment: Data	May 13, 2011	Bandung
3	FGD on South Sumatra Assessment and Adaptation Options	July 14-15, 2011	Bandung
4	FGD on Malang Raya Assessment and Adaptation Options	August 10-11, 2011	Jakarta
5.	FGD on Tarakan Assessment and Prioritization of Adaptation Options	October 11-12, 2011	Tarakan
6.	FGD on South Sumatra Assessment and Prioritization of Adaptation Options	October 26-27, 2011	South Sumatra

1.5. Project Coordination / Scientific Coordination Meetings between April 30, 2011 and October, 2011

No.	Date	Place	Attendants (see below for abbreviations)	Project Coordination/ Scientific Coordination	Notes
1	April 30th, 2011	Wisma Geologi, Bandung	MSF, DS, WS, ER, MII, OA	Scientific Coordination: Dynamic vulnerability, Water Sector	FGD Tarakan preparation
2	May 2nd, 2011	Wisma Geologi, Bandung	MSF, DS, WS, ER, MII, OA	Scientific Coordination: Dynamic Vulnerability, Water Sector	FGD Tarakan preparation
3	May 3rd, 2011	CCC-ITB	MSF, AS, RA	Scientific Coordination, Health Sector	FGD Tarakan preparation
4	May 3rd, 2011	Beverly Hills, Bandung	DS, MSF, BS, ER, AS, HS,WS	Scientific Coordination: All sectors	FGD Tarakan preparation
5	May 6th, 2011	Mata Angin Cafe	DS, MSF, OA, ER, BS, WS, HJ	Scientific Coordination: Dynamic Vulnerability, Water Sector	Tarakan Finalization
6	May 8th, 2011	OA's office	DS, MSF, OA, MII	Scientific Coordination, Water Sector	Tarakan Finalization
7	May 9th, 2011	Wisma Geologi, Bandung	MSF, OA, ER	Scientific Coordination, Water Sector	Tarakan Finalization

No.	Date	Place	Attendants (see below for abbreviations)	Project Coordination/ Scientific Coordination	Notes
8	May 10th, 2011	Bookstore ITB	MSF, DS, WS	Scientific Coordination	Preparation to meet South Sumatra's representative to discuss data
9	May 12th, 2011	PPK-ITB	MSF, ER, HS	Scientific Coordination, GIS team	South Sumatra data discussion
11	May 16th, 2011	GIZ, Jakarta	TH, DS, NA	Project Coordination	Discussing next steps: Tarakan, South Sumatra and Malang
12	May 17th, 2011	Wisma Geologi, Bandung	DS, MSF, OA, BS, ER	Scientific Coordination, Water Sector	Tarakan Finalization
13	May 18th, 2011	PPK-ITB	DS, MSF, OA, MII, TWH, HL, AS, RA, BS, WS	Scientific Coordination, All sectors	Discussion on adaptation options for Tarakan
15	May 20th, 2011	Beverly Hills, Bandung	DS, MSF, OA, BS, WS, AS, TWH, IS, ER, HS, MII	Scientific Coordination, All sectors	Tarakan Finalization,
16	May 21st, 2011	Beverly Hills, Bandung	R, DS, MSF	Scientific Coordination, Agricultural Sector	Discussing agricultural data of Malang with Pak Suhariyono (Balitjestro)
17	May 24th, 2011	CCC-ITB	DS, MSF, AS, RA	Scientific Coordination, Health Sector	Hazard and Vulnerability

No.	Date	Place	Attendants (see below for abbreviations)	Project Coordination/ Scientific Coordination	Notes
					analysis of Tarakan
18	May 25th, 2011	Meteorology ITB	DS, MSF, TWH	Scientific Coordination, science basis	Tarakan and Malang climate analysis
19	May 25th, 2011	Wisma Geologi, Bandung	DS, MSF, OA, BS, MII	Scientific Coordination, Water Sector	Tarakan Finalization
20	May 26th, 2011	CCC-ITB	MSF, AS, RA	Scientific Coordination, Health Sector	Revising Tarakan's analysis
21	May 26th, 2011	Meteorology ITB	MSF, TWH, DS	Scientific Coordination, science basis	Tarakan Finalization
22	May 27th-28th, 2011	Beverly Hills, Bandung	DS, MSF, WS, R, OA, HL, AS, RA, TWH, IS	Scientific Coordination, All Sectors	Tarakan Finalization
24	May 30th, 2011	PPK-ITB	DS, HL	Scientific Coordination, Coastal Sector	Tarakan Finalization
25	May 31st, 2011	GIZ Jakarta	TH, NA, MSF	Project Coordination	Discussing next steps: Malang Raya
26	May 31st, 2011	CCC-ITB	DS, WS, R	Scientific Coordination, Agricultural Sector	Weighting problem
27	May 31st, 2011	OA's office	DS, ER, OA	Scientific Coordination, Water Sector	Tarakan Finalization
28	June 3rd-4th, 2011	Parongpong, Bandung	DS, MSF, OA, ER, BS, WS, AS	Scientific Coordination, All sectors	Tarakan Finalization and

No.	Date	Place	Attendants (see below for abbreviations)	Project Coordination/ Scientific Coordination	Notes
					Malang planning
30	June 7th, 2011	Jakarta	DS, TH	Project Coordination	Discussing next steps: Tarakan, South Sumatra and Malang
31	June 9th, 2011	PPK-ITB	ER, DS, MSF, HS, Buff	Scientific Coordination, GIS	Discussing South Sumatra map and Malang data
32	June 10th, 2011	CCC-ITB	MSF, AS, RA	Scientific Coordination, Health Sector	Discussing adaptation options for South Sumatra
33	June 12th, 2011	Wisma Geologi, Bandung	MSF, OA, MII, ER	Scientific Coordination, Water Sector	Tarakan Finalization, preparing risk map for South Sumatra, discussing workplan for Malang
34	June 13th, 2011	CCC-ITB	DS, MSF, WS, R, H	Scientific Coordination, Agriculture Sector	South Sumatra Finalization
36	June 15th, 2011	PPK-ITB	DS, MSF, HL, HS	Scientific Coordination, Coastal Sector	Finalizing South Sumatra report, Finalizing

No.	Date	Place	Attendants (see below for abbreviations)	Project Coordination/ Scientific Coordination	Notes
					Tarakan report
37	June 16th, 2011	Bogor	TH, NA, ER, HS, YK, AW, KW, MSF, DS	Project Coordination	Discussing next steps: Tarakan, South Sumatra and Malang
39	June 18th, 2011	Beverly Hills, Bandung	DS, MSF, TWH, OA, R, ER, IS	Scientific Coordination, Water and Agriculture Sectors	Finalizing South Sumatra report
40	June 20th, 2011	PPK-ITB	MSF, HL	Scientific Coordination, Coastal Sector	Finalizing South Sumatra report
41	June 20th, 2011	CCC-ITB	DS, MSF, AS, RA	Scientific Coordination, Health Sector	Discussing Malang analysis
43	June 26th, 2011	Wisma Geologi, Bandung	DS, MSF, ER, OA, MII, BS	Scientific Coordination, Water Sector	Malang survey report, South Sumatra hazard progress
44	June 27th, 2011	Beverly Hills, Bandung	DS, MSF, TWH, IS, AS, RA, OA, MII, BS, R, Buff, ER	Scientific Coordination, All sectors	Finalizing South Sumatra report
46	July 1st, 2011	CCC-ITB	DS, MSF, Buff	Scientific Coordination, GIS	Finalizing South Sumatra analysis
47	July 2nd, 2011	Beverly Hills, Bandung	DS, MSF, OA, BS, MII, ER, AS, R	Scientific Coordination, All sectors	Finalizing South Sumatra reports
48	July 4th, 2011	CCC-ITB	MSF, R	Scientific Coordination, Agriculture Sector	Discussing analysis for the

No.	Date	Place	Attendants (see below for abbreviations)	Project Coordination/ Scientific Coordination	Notes
					agricultural sector
49	July 4th, 2011	Meteorology ITB	MSF, TWH	Scientific Coordination, science basis	Discussing South Sumatra results
50	July 5th, 2011	CCC-ITB	MSF, R, DS	Scientific Coordination, Agriculture Sector	Discussing analysis for the agricultural sector
52	July 7th, 2011	Beverly Hills, Bandung	DS, MSF, OA, MII, ER, AS, RA, R	Scientific Coordination, All sectors	Finalizing South Sumatra report
53	July 9th, 2011	CCC-ITB	MSF, Buff, AS	Scientific Coordination, Health sector	GIS mapping
54	July 11th, 2011	CCC-ITB	DS, MSF, WS, AS, RA	Scientific Coordination, Health Sector	Discussing Health report for South Sumatra
55	July 12th, 2011	CCC-ITB	MSF, H, R	Scientific Coordination, Agriculture Sector	Discussing Agriculture analysis for South Sumatra
56	July 13th, 2011	PPK-ITB	MSF, HL, Buff, HS	Scientific Coordination, Coastal Sector	Preparation of FGD South Sumatra
57	July 13th, 2011	CCC-ITB	MSF, AS, RA	Scientific Coordintion, Health Sector	Discussing Health report for South Sumatra

No.	Date	Place	Attendants (see below for abbreviations)	Project Coordination/ Scientific Coordination	Notes
59	July 18th, 2011	OA's office	DS, MSF, OA, MII, ER	Scientific Coordination, Water Sector	Finalizing South Sumatra report
60	July 18th, 2011	PPK-ITB	MSF, HL, HR, DS	Scientific Coordination, Coastal Sector	Hazard and Vulnerability mapping of South Sumatra
61	July 18th, 2011	Meteorology ITB	MSF, TWH, MR, J	Scientific Coordination, science basis	Characteristics of climate change in South Sumatra
62	July 19th, 2011	CCC-ITB	DS, MSF, WS	Scientific Coordination, Dynamic Vulnerability	Discuss problem on dynamic vulnerability South Sumatra
64	July 22nd-23rd, 2011	Beverly Hills, Bandung	DS, MSF, OA, Buff, R, AS, RA, WS	Scientific Coordination, All sectors	Finalizing South Sumatra report
65	July 25th, 2011	Bandung	MSF, Buff, HL, Dom	Scientific Coordination, Coastal Sector	Vulnerability mapping of South Sumatra
68	July 28th, 2011	MSF's house	DS, MSF	Scientific Coordination	Coordination about Malang survey for water sector
69	July 29th-30th, 2011	Beverly Hills, Bandung	DS, MSF, WS, MII, OA, BS, Buff, R, HL, AS, RA, IS	Scientific Coordination, All sectors	Finalizing South Sumatra report and discussing

No.	Date	Place	Attendants (see below for abbreviations)	Project Coordination/ Scientific Coordination	Notes
					Malang progress
70	August 1st, 2011	CCC-ITB	DS, MSF, Buff	Scientific Coordination, GIS	Preparation of Malang GIS
73	August 4th, 2011	CCC-ITB	MSF, AS	Scientific Coordination, Health Sector	Discussing Malang data
74	August 4th, 2012	PL-ITB	MSF, DS, WS	Scientific Coordination, Dynamic Vulnerability	Discussing synthesis report and preparation of FGD Malang
75	August 5th, 2011	Beverly Hills, Bandung	DS, MSF, WS, R, Buff, AS, RA, BS	Scientific Coordination, All sectors	Preparing for FGD Malang
76	August 6th, 2011	Bandung	MSF, TWH	Scientific Coordination, science basis	Clarification of projected rainfall data for Malang from AR4 model
78	August 8th, 2011	Wisma Geologi, Bandung	OA, ER, MII, DS	Scientific Coordination, Water Sector	Discussing water shortage hazard for Malang
81	August 13th, 2011	Wisma Geologi, Bandung	DS, MSF, OA, BS, MII	Scientific Coordination, Water Sector	Discussing finalization of Water report Malang Raya

No.	Date	Place	Attendants (see below for abbreviations)	Project Coordination/ Scientific Coordination	Notes
84	August 15th, 2011	CCC-ITB	DS, MSF, R	Scientific Coordination, Agriculture Sector	Evaluating South Sumatra report
85	August 16th, 2011	CCC-ITB	DS, MSF, WS	Scientific Coordination	Evaluating synthesis reports
86	August 16th, 2011	Meteorology ITB	MSF, TWH, MR, J	Scientific Coordination, science basis	Discussing executive summary
87	August 16th, 2011	CCC-ITB	TH, NA, DS, MSF	Project coordination	Discussing upcoming events
88	August 17th, 2011	CCC-ITB	DS, MSF, AS, RA, WS	Scientific Coordination, Health Sector	Discussing methodology of hazard and vulnerability
89	August 19th, 2011	Beverly Hills, Bandung	DS, MSF, R, WS, AS, Buff, BS, MR, TWH, OA, RA, IS	Scientific Coordination, All sectors	Finalizing Reports
91	August 24th-25th, 2011	GIZ Jakarta	TH, NA,MSF	Project Coordination	Administrative Issus
93	August 26th, 2011	Wisma Geologi, Bandung	OA, BS, MII, ER	Scientific Coordination, Water Sector	Harmonizing parts of report for South Sumatra
94	August 26th, 2011	HL's house	MSL, HL	Scientific Coordination, Coastal Sector	Discussing progress of South Sumatra

No.	Date	Place	Attendants (see below for abbreviations)	Project Coordination/ Scientific Coordination	Notes
					report
95	September 7th, 2011	Wisma Geologi, Bandung	OA, MII, ER, DS, BS	Scientific Coordination, Water Sector	Discussing Draft reports for South Sumatra and Malang
96	September 7th, 2011	KLH Jakarta	TH, NA, ER, YK, MSF	Project Coordination	Next Steps for Tarakan, Malang and South Sumatra
98	September 9th, 2011	CCC-ITB	DS, MSF, TWH, HL, AS, WS	Scientific Coordination, All sectors	Coordination of finalization of all sector reports

1.6 Members of the Team and Abbreviations

Team	Name	Tasks
KLH	Emma Rachmawaty (ER)	Overall Coordinator
	Dadang Hilman (DH)	Overall Coordinator
	Haneda Srimulyanto (HS)	Overall Coordinator
	Yani Kusmulyani (YK)	Staff
	Astutie Widyarissantie (AW)	Staff
	Yulia Suryanti (YS)	Staff
	Koko winajarto (KW)	Staff
GIZ	Dieter Brulez (DB)	Principal Advisor
	Heiner von Luepke (HvL)	Senior Advisor
	Tilman Hertz (TH)	Advisor
	Ni Ashanapuri (NA)	Coordinator
Scientific Coordination (GIZ)	Djoko S. A Suroso (DS)	Scientific Coordinator
	M. S. Fitriyanto (MSF)	Assistant o Scientific Coordinator
Science Basis: Climate Projection (GIZ)	Tri Wahyu Hadi (TWH)	Expert
	Muh. Ridho (MR)	Assistant
	Junnaedhi (J)	Assistant
Science Basis: Sea-Level Projection (GIZ)	Ibnu Sofian (IS)	Expert
	Habib Sugianto (HS)	Assistant
Water (GIZ)	Oman Abdurahman (OA)	Expert
	Budhi Setiawan (BS)	Expert
	Munib Ikhwatul Iman (MII)	Assistant
	Norma Puspita (NP)	Assistant

Coastal (GIZ)	Hamzah Latief (HL)	Expert
	Haris Sunendar (HS)	Assistant
	Dominic Oki Ismoyo (Dom)	Assistant
Health (GIZ)	Asep Sofyan (AS)	Expert
	Ridad Agoes (RA)	Expert
Agriculture (GIZ)	Ruminta (R)	Expert
	Handoko (H)	Expert
GIS (GIZ)	Edi Riawan (ER)	Assistant
	Ardityo D (Buff)	Assistant
Dynamic vulnerability (GIZ)	Wilmar Salim (WS)	Expert
Field Assistants (GIZ)	Hendra Julianto (HJ)	Field Assistant Tarakan
	Ambiyar Setiojati (Am)	Field Assistant South Sumatra