



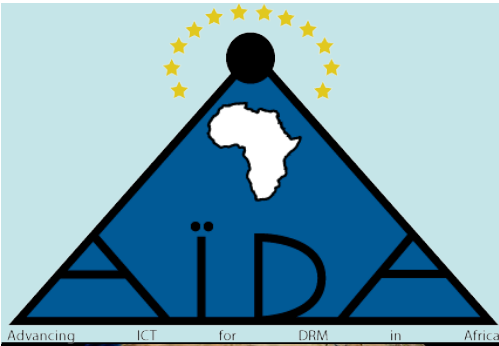
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AIDA

Advancing ICT for DRM in
Africa

EuroAfrica-ICT Concertation Meeting
Brussels December 10- 2008

Pierre Alexandre Genillon, Sven Gilliams, Brussels 10/12/2008

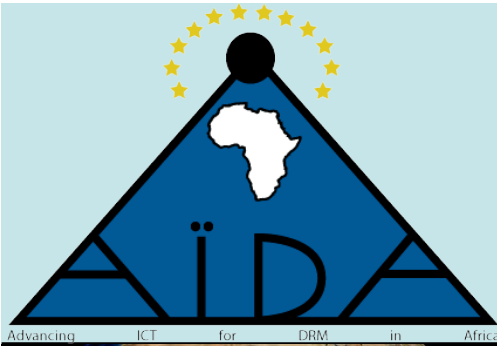


Outline

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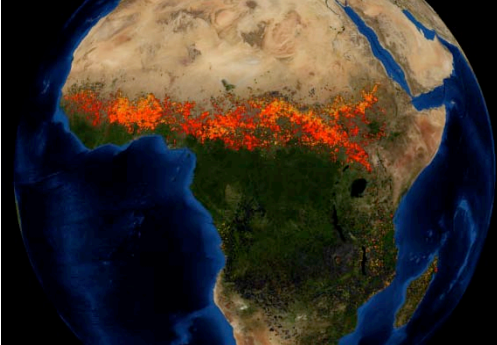


- Background
- Objectives
- Concepts
- Project Structure
- Links



Background

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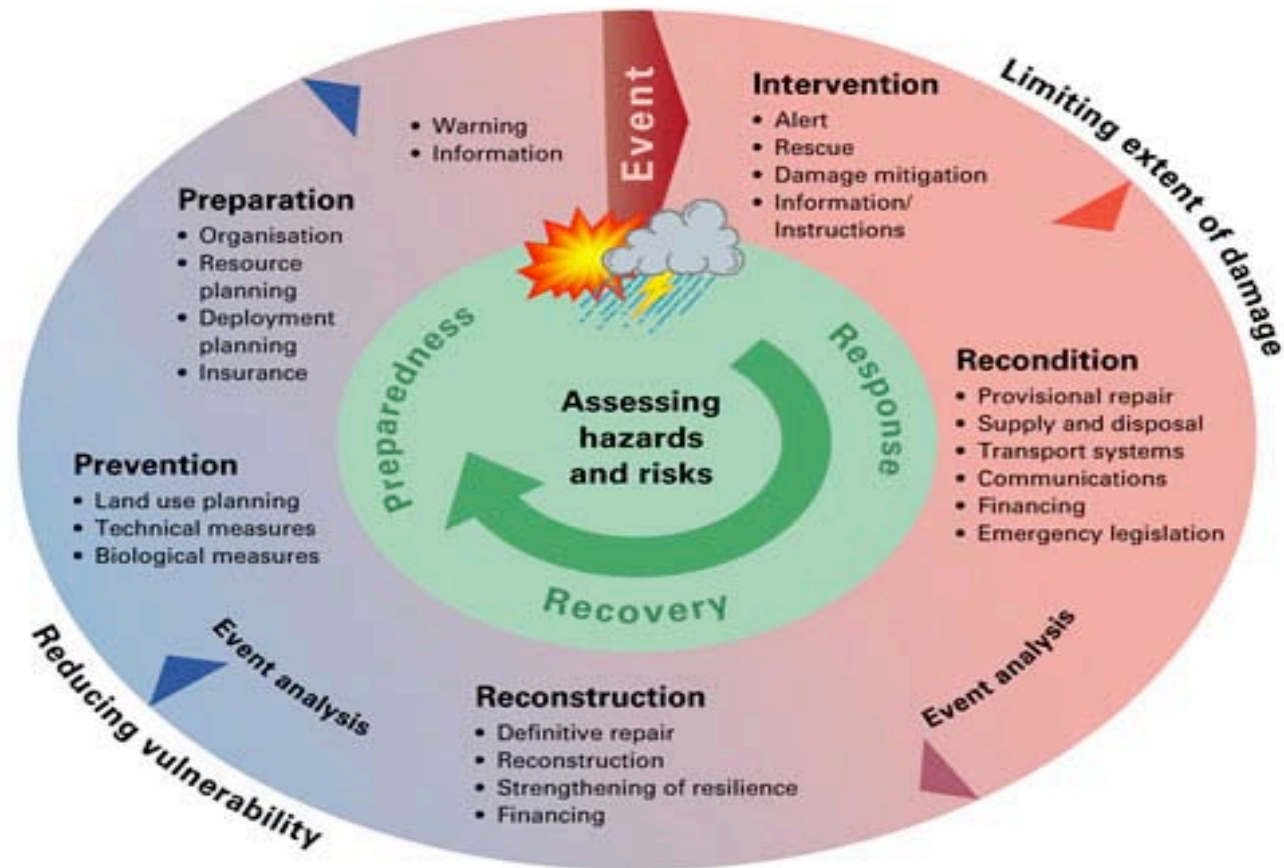
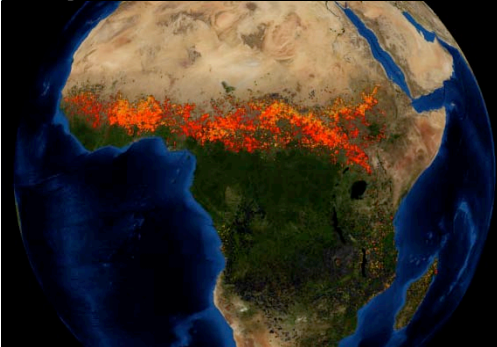


- Disasters Occurrence Increasing
- Developing countries => Africa
- Hyogo framework for Action
- ICT solutions
- What is available?
 - Share Information on ICT Knowledge and Solutions

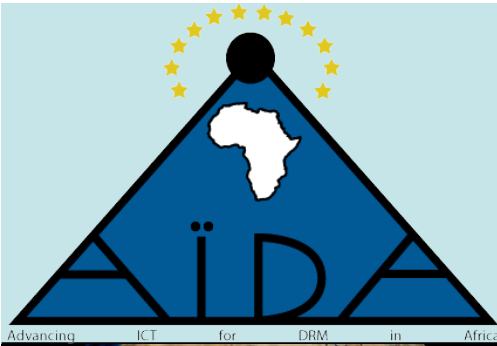


Integrated Disaster Risk Management Cycle

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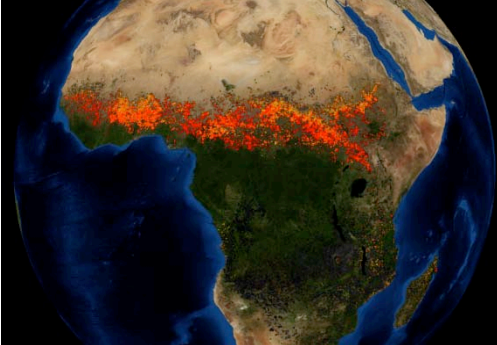


Source Planat.ch

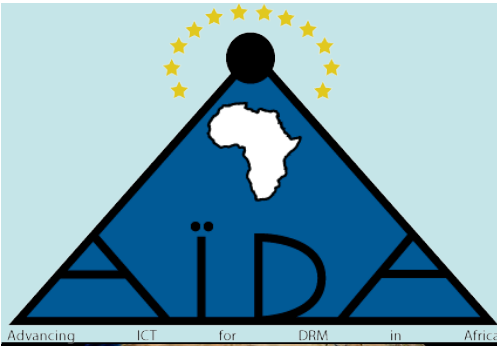


Objectives

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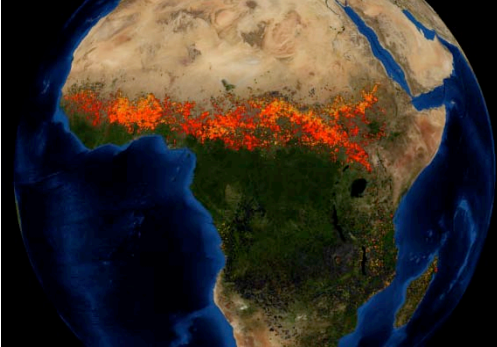


- Reduce Risks of Natural & Man induced Disasters
- Improve the Capacity to respond to Disasters
- Bridge the ICT Information Gaps in Africa
- Provide African Stakeholders in with decent access to ICT information
- Promote existing, successful and adequate ICT Solutions
 - share this information
- Open up the GEONETCast for Alerting Purposes
- Establish a long-term ICT Cooperation with and within Africa

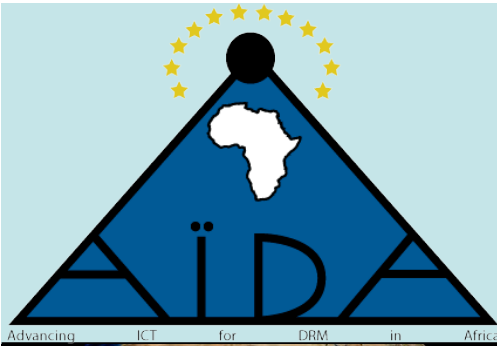


Concepts

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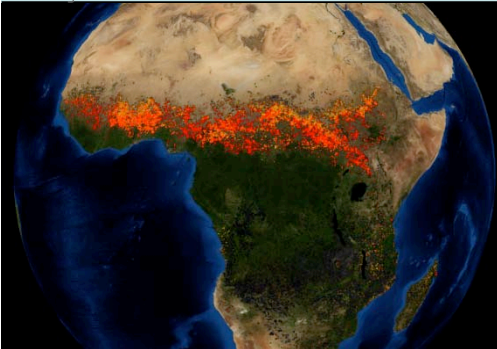


- No Technology Push.
- From Africa / for Africa.
- Multi-hazard Approach
- Stakeholder & Technical independency
- Not a Technical but a Human Exercise
- Continuity



Partners

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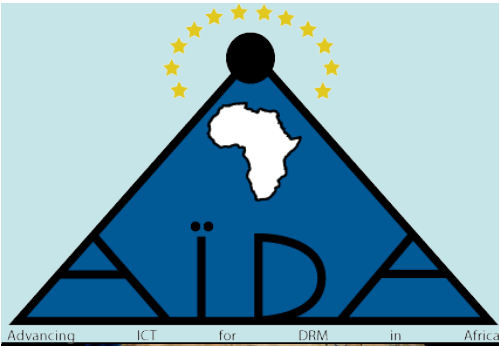


- ITC
- NET QI
- Techgies.SF
- GEOSAT
- EUMETSAT
- FUTMIN
- IER
- ARU
- CSIR
- VITO



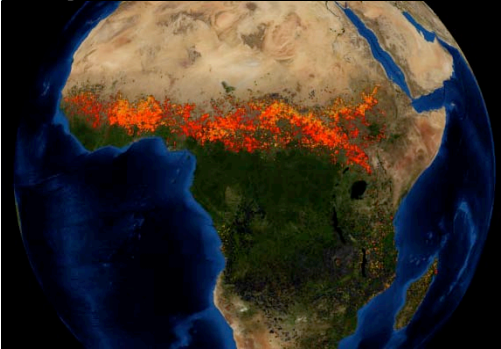
GEOSAT Technology





Project Steering Comitee

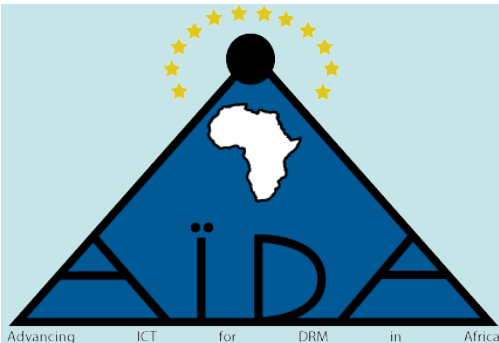
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All Partners

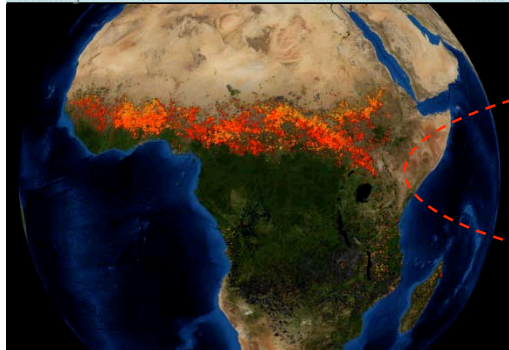
External

- UNOSAT
- UN / ISDR
- IRMA
- ISCRAM



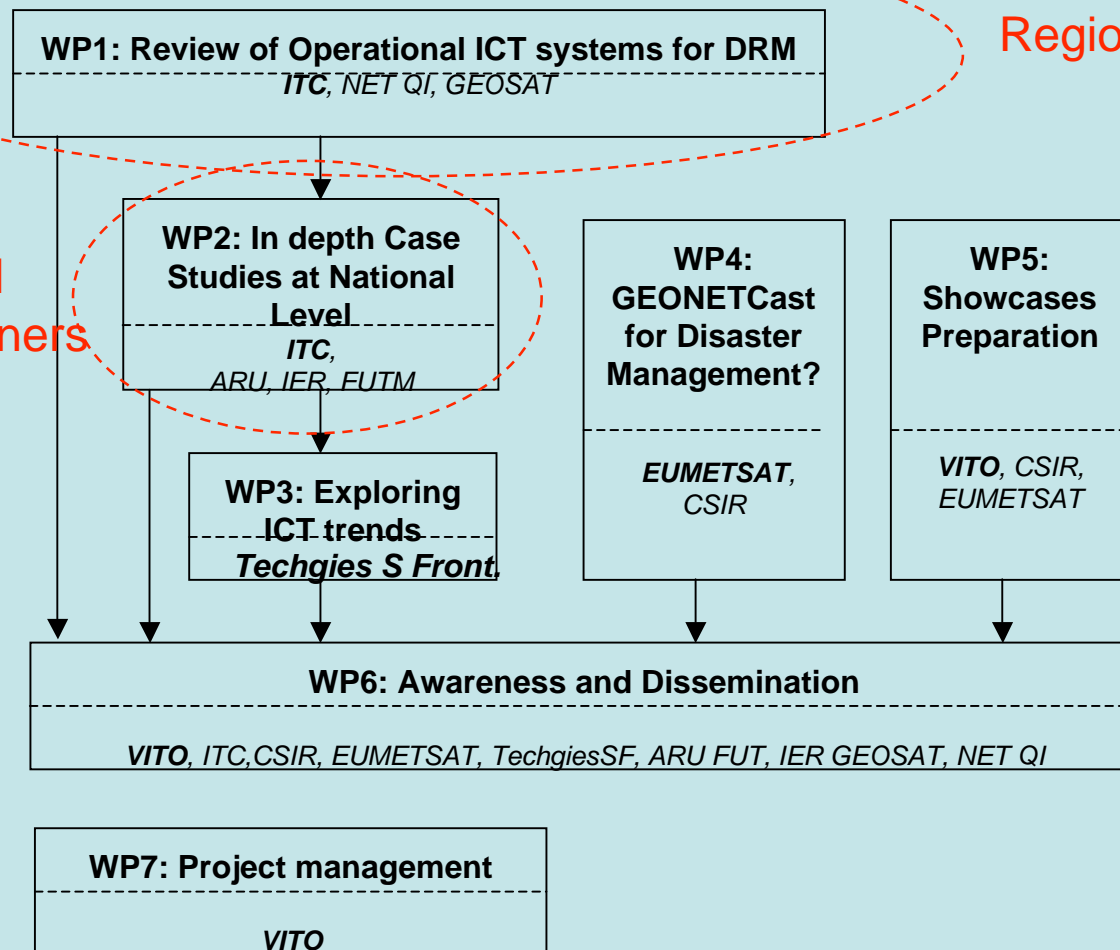
Project Structure

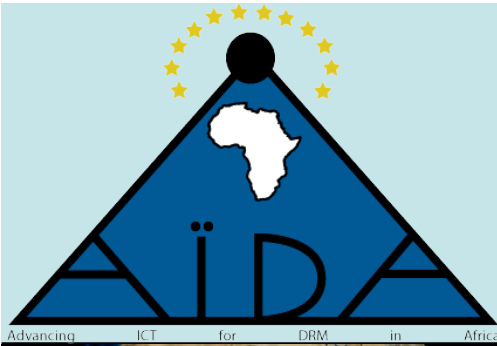
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National
African Partners

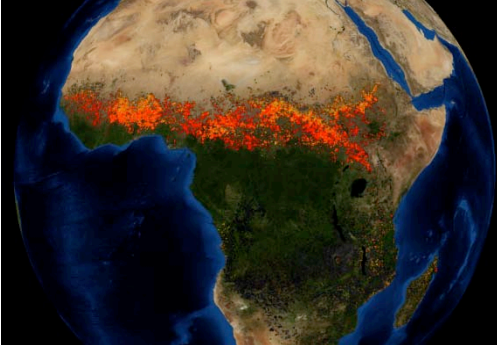
Regional





WPs Structure

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WP1 Review

- WP1.2 EWIS at Regional Level
- WP1.2 DRM Dissemination Platforms

WP2 National level (4 Countries)

- Nigeria (Federal University of Technology -> Epidemics)
- Tanzania (Ardhi University DMTC -> Tsunami Floodings)
- South Africa (CSIR->Fire)

WP3 ICT Trends

WP4 GEONETCast

- Development of a Fire Test Case

WP5 Demo's

- Fire, Tsunami, Food Security

WP6 Dissemination

- Existing Workshops (AARSE, EUMETSAT Users Conf)
- 3 National AIDA workshops (Nigeria, Tanzania, South Africa)



WP 1 Structure

<http://www.aidaonline.info>

AIDA project conceptual framework Vers. 2.0 29/09/2008

WP1 deliverables: AIDA project conceptual framework & Information resources review

Task 1.0.1: Conceptual framework
Task 1.0.3: Information resources review

Author: Norman Kerle, ITC

Part I: Disaster risk conceptualised, and the situation in Africa
Part II: Global and International DRM Initiatives, and ICT for DRM in Africa

Version change log

Version: 2.0

Corrections

- Minor editing

Additions

- Hazard assessment at a continental and regional scale
 - o Sea level rise
 - o Locust and grasshopper invasions
- DRR policies and strategies
 - o International Decade for Natural Disaster Reduction (IDNDR)
 - o The Geneva Mandate
 - o International Strategy for Disaster Reduction (ISDR)
 - o The Hyogo Framework for Action (HFA)
 - o Global Facility for Disaster Reduction and Recovery (GFDRR)
 - o International Charter and GEOSS/GMES
 - o Initiatives within Africa
- the role of ICT in Africa, with focus on communication
- international ICT-based DRM efforts with focus on Africa
- tools for information transfer and use
- African ICT initiatives

WP 1.0 Review of Operational ICT systems for DRM in AFRICA

Conceptual Framework

- Provides Common Basis for all WPs

- Information Resources Review at Continental / Regional Level

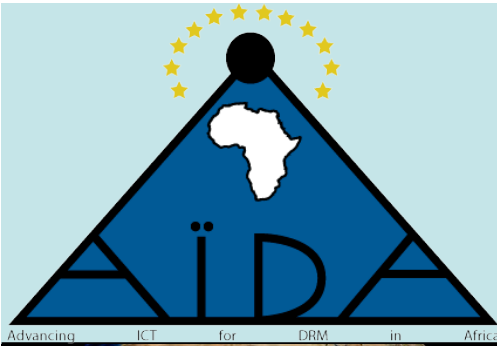
AIDA Case Study Approach and Methodology

- Defines Common Approach for Data Collection for WP1. and WP2

- Ensure Data Linkage between WPs

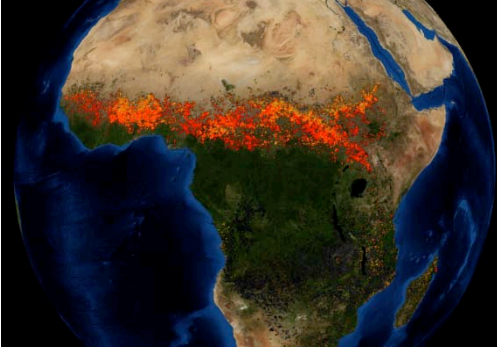
Table of contents

1. Objectives and scope of this document.....	4
2. Natural disasters in Africa.....	4
2.1 Scale and numbers.....	8
2.2 Understanding disaster statistics.....	9
3. Disaster management conceptualised.....	10
3.1 Hazard.....	11
3.2 Elements at risk.....	13
3.3 Vulnerability.....	14
3.4 From risk to Disaster Risk Reduction (DRR).....	18
3.4.1 Defining risk.....	18
3.4.2 The effect of capacity.....	20
3.4.3 Practical risk assessment.....	21
3.4.4 Managing risk & acceptable risk.....	24
4. The sociability of risk.....	25
5. The hazard situation in Africa.....	27
5.1 Hazards-assessment at a continental and regional scale.....	27
5.1.1 Seismic hazard.....	28
5.1.2 Volcanic hazard.....	30
5.1.3 Droughts.....	32
5.1.4 Flood hazard.....	35
5.1.5 Windsurges.....	38
5.1.6 Tsunamis.....	41
5.1.7 Wildfires.....	42
5.1.8 Epidemics.....	44
5.1.9 Hazard from sea level rise.....	47
5.1.10 Hazards from grasshoppers and locusts.....	50
5.2 Summary.....	51
6. From hazards to risk.....	52
6.1 Vulnerability in Africa.....	53
6.2 Summary.....	54
7. Disaster Risk Reduction policies and strategies.....	55
7.1 International Decade for Natural Disaster Reduction (IDNDR).....	55
7.2 The Geneva Mandate.....	56
7.3 International Strategy for Disaster Reduction (ISDR).....	57
7.4 The Hyogo Framework for Action (HFA).....	58
7.5 Global Facility for Disaster Reduction and Recovery (GFDRR).....	60
7.6 The International Charter "Space and Major Disasters" and GEOSS.....	60
7.7 Initiatives within Africa.....	62
7.8 Summary.....	63
8. The role of ICT for DRM in Africa.....	64



WP 1 Structure

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Collecting information at Continental and Regional level !

WP 1.1 Early Warning Information Systems Review at regional level

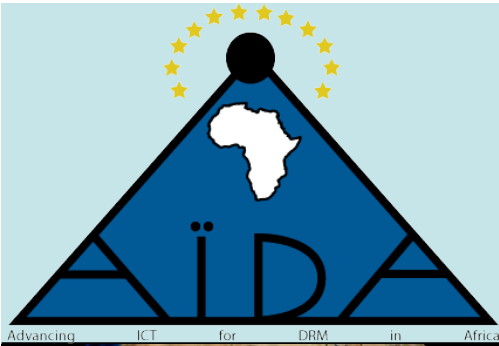
To analyze the State-of-the-Art regarding

- Risk Knowledge,
- Environment and Hazard Monitoring,
- Early Warning Information Services and Systems

WP 1.2 Disaster Risk Management Dissemination Platforms:.

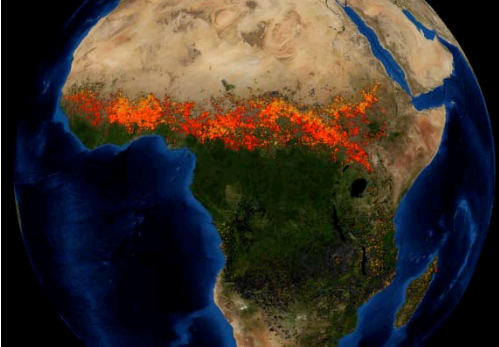
To analyze the State-of-the-Art regarding

- ICT Systems/Tools in Communication of Risk information
- Early Warnings and Alerts Systems
- National and Communities coping Strategies



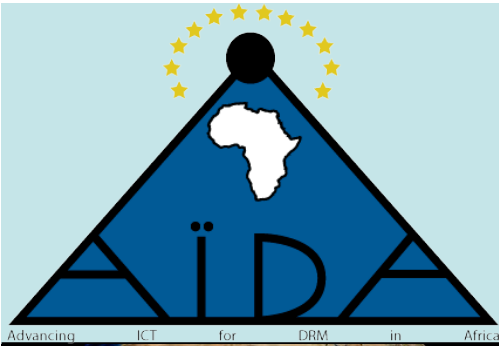
WP 2 Structure

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WP 2.0 In depth Study Cases on a National Level

- KO during AARSE Conference 27-30 October Accra Ghana
- 4 countries; Mali, Nigeria, Tanzania, South Africa
- Overview of relevant Natural Hazards and Disaster Risk
- Based on Questionnaires (AIDA Methodology Approach)
- 2 steps approach : quick scan + expert hearing



WP 3 Structure

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Information Analysis

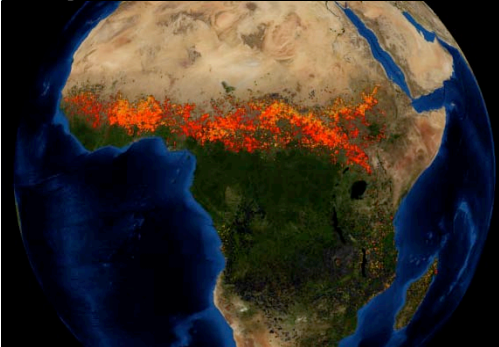
WP3 Exploring ICT trends

- ICT Analysis of information derived from WP1 and WP2
- Short listing of ICT solutions which could play a role in DRM in Africa
- Evaluation of the ICT needs for future systems



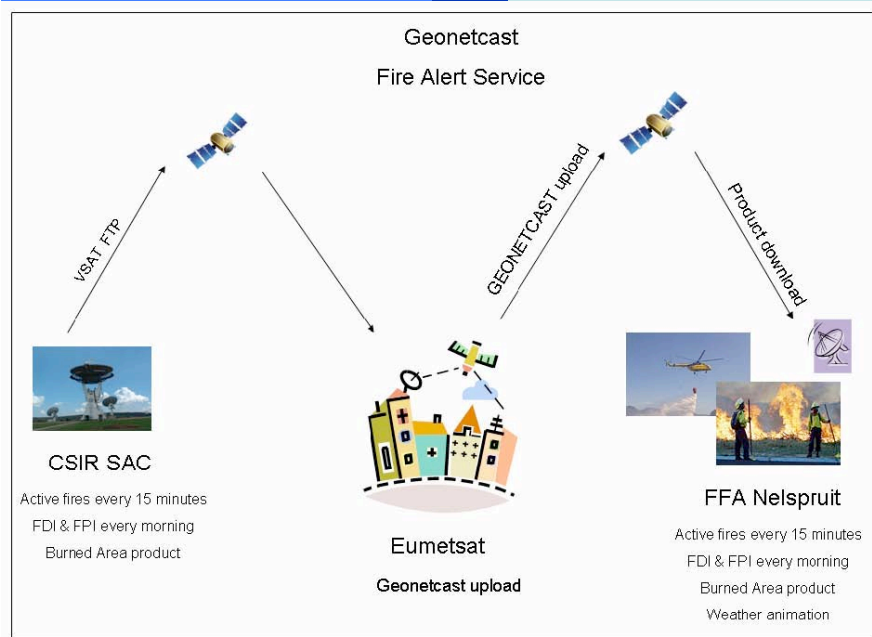
WP 4 Structure

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Fire Alerting System Demonstration

WP4 GEONETCast for Disaster Management



Systems installed at Meraka+FFA Nelspruit

Operational (Daily Data CSIR -> Eumetsat)

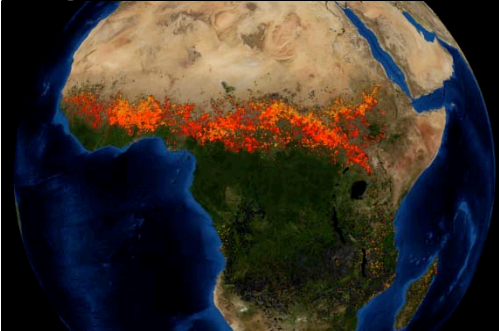
Demonstrated at EUMETSAT USER Forum

Demonstrated at AARSE Conference



WP 5 Structure

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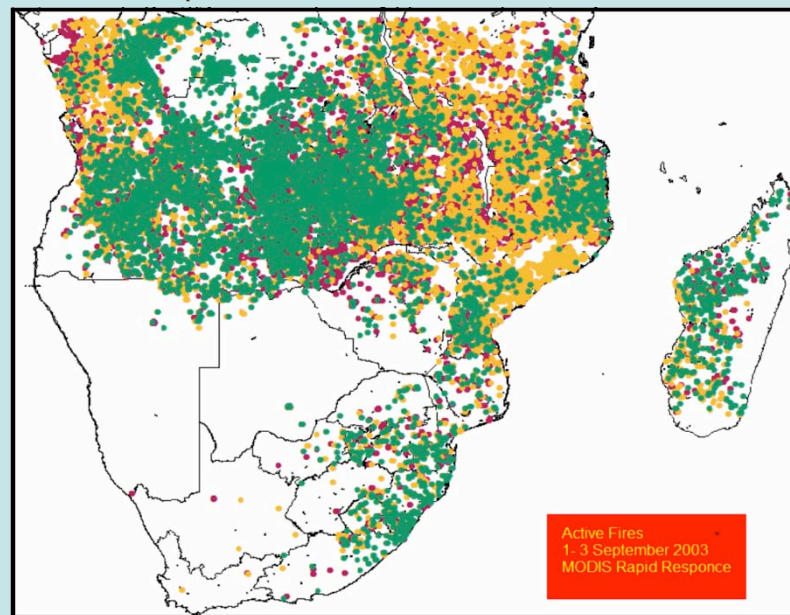
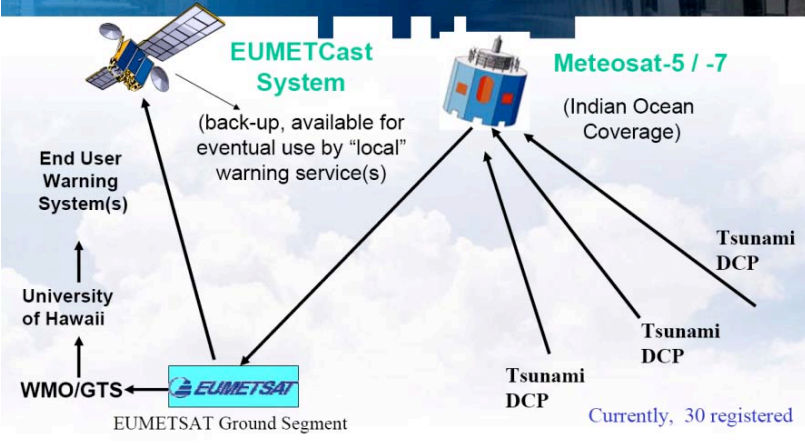


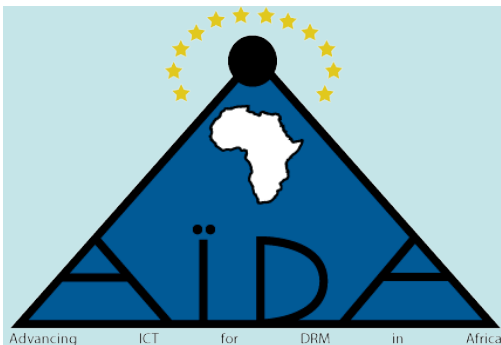
WP5 Disaster Showcases

3 showcases of existing and successful ICT systems
 To be shown at AIDA workshops, conference etc
 Explain and show operational DRM applications in Africa

- Fire (South Africa)
- Tsunami (Tanzania)
- Floodings (Mozambique)

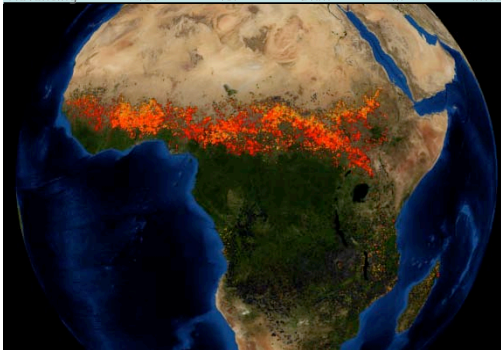
Tsunami Warning Data Relay via Meteosat/EUMETSAT





WP 6 Structure

<http://www.aidaonline.info>



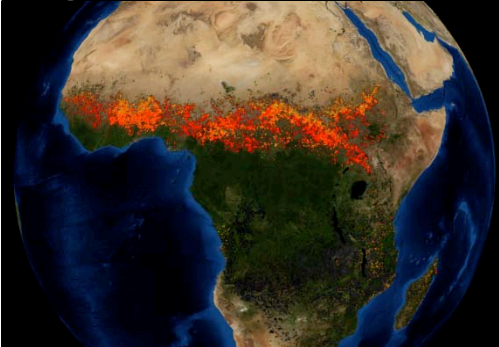
WP6 Awareness Dissemination

- Users Liaison
- Organization of Aï DA Workshops
 - 3 Regional Workshops (TBD)
 - To share Knowledge, Best Practices, receive Feedback
- Link with EUMETSAT FORUM
 - Live demo of Fire Alert System
 - Presentation of Aï DA
- Link with AARSE conference
 - Dedicated Aï DA session was held
 - Live Demonstration of Fire Alert System
- Website
 - <http://www.aidaonline.info>
 - General Info
 - Showcases + Flyers (TBD)
 - Project Deliverables (TBD)
 - ICT analysis (TBD)
- Final Workshop
 - Near project end in Brussels (TBD)



Links

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IRMA project

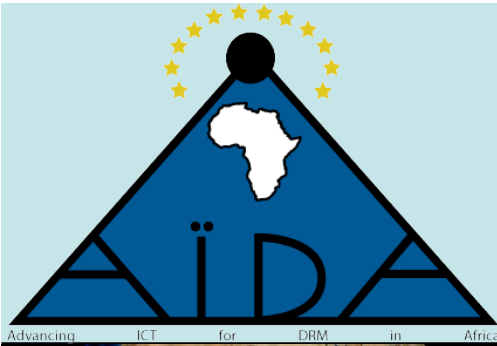
<http://irma.lu/>

- The purpose of the Project is to build a Reference Infrastructure and Access-Platform suitable for the Management of Natural and Environmental Risks in Africa.

ISCRAM

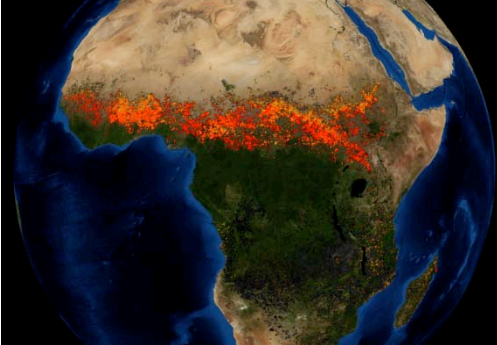
<http://www.iscram.org/>

- ISCRAM2009
6th International Conference on Information Systems for Crisis Response and Management
May 10-13 2009
Göteborg, Sweden
- Special sessions on:
- IT for Crisis Management in Africa



AIDA CONTACTS

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Thank You

Questions ?

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