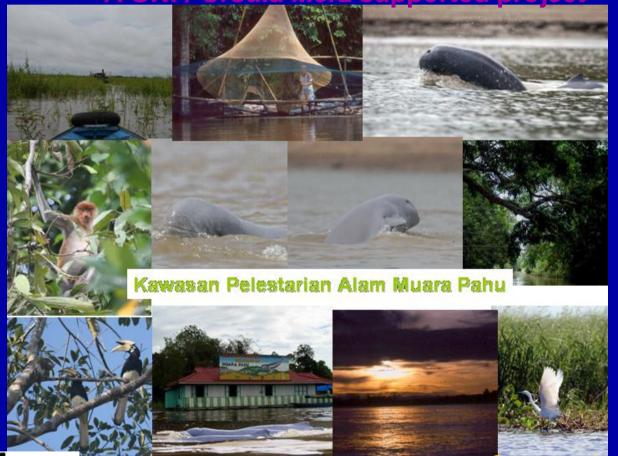
### **Pesut Mahakam Conservation Program-**

Protection of Irrawaddy Dolphins in the Mahakam Wetlands through establishment of community-supported protected areas in dolphin core habitat in East Kalimantan, Indonesia

A GNF/ Ursula Merz supported project



Global

Nature

Fund

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http://www.geocities.com/yayasan\_konservasi\_rasi





- Critically Endangered (IUCN)
- CITES Appendix I
- Symbol species of East **Kalimantan Province**

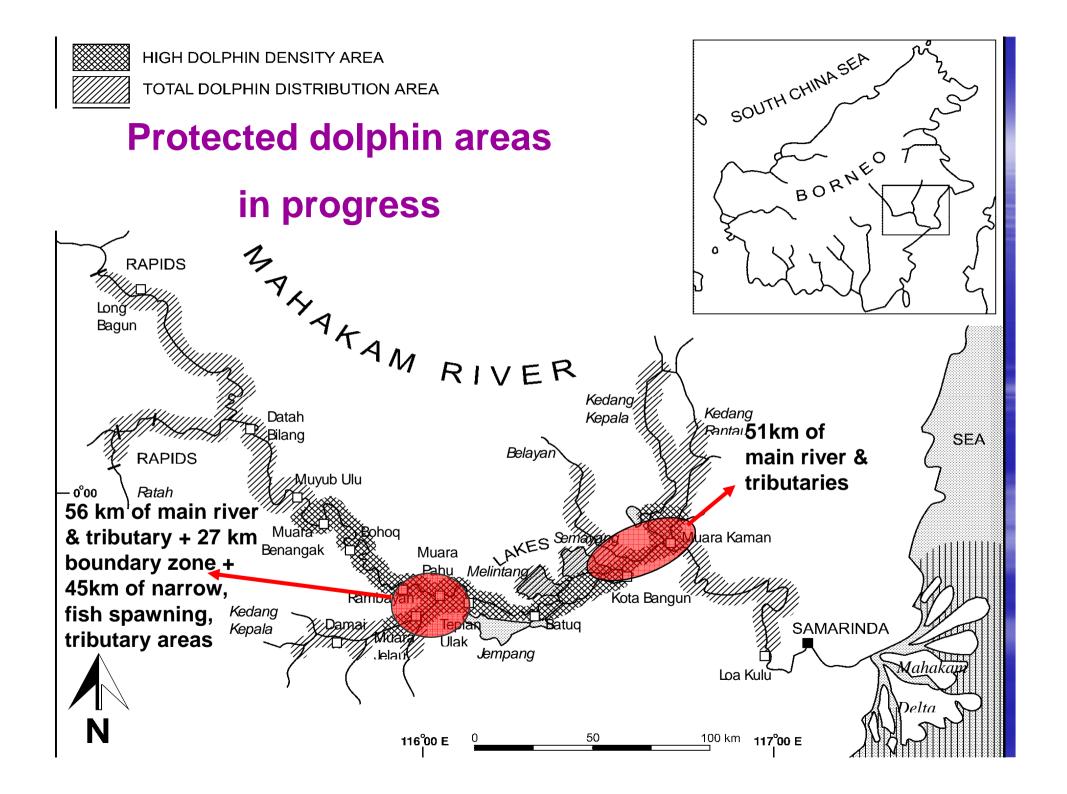




### 2007-2009 GNF supported project activities

# AIMS

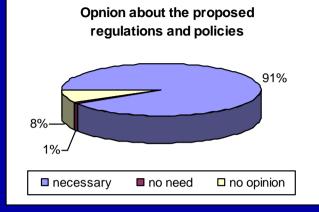
- Finalizing the official establishment of two protected dolphin areas including fish spawning areas, riparian and swamp forest protection to offer protection to other protected species within the area.
- Protection of dolphin prey (fish) resources through introduction of sustainable fishing techniques and law enforcement.
- Long term protection by educating local community and youth on the importance of protection and sustainable use of natural resources
- Dolphin threat and mortality reduction by gillnet use regulations and pollution reduction (due to chemical waste and boat noise)
- Dolphin monitoring & threat assessment

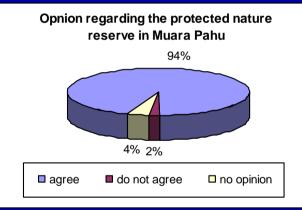


### **Establishment of protected areas**

- Socialization with local communities, government and mining companies on the future policies in the 1<sup>st</sup> prospected protected dolphin area.
  - interviews (210 resp.), community meetings & marking of core area

Results: unanimous & signed community agreement on establishment & regulations/ policies for all nine 'kampung' villages in dolphin protected area











### **Establishment of protected areas (Cont.)**

 Initial socialization was made with part of the local community in Central Kutai district regarding the establishment of a 2<sup>nd</sup> dolphin conservation area during meetings in Semayang/ Melintang Lake villages.

### - Results:

 All participants supported the conservation of the dolphins and its habitat and would actively participate.

• The community expressed it need for governments support in the form of effective law-enforcement to prevent illegal fishing (electro-fishing and trawl).

SYARAKAT DI DESA PELA, DESA SEMAYANG

 The community representatives stated they would agree if the government would establish a conservation zone for the dolphins as long as they can still catch fish.



- Conducting interviews and practical research to study most rendable and sustainable aqua-culture form
- Familiarizing fishermen with these sustainable aqua-culture forms in workshop meetings

Results: In total 10 sustainable fishermen cooperations from 6 kampungs were established with 2002 members to facilitate loans needed as initial investment.



### Raising environmental awareness within local communities and youth

- High-school awareness campaigns were organized at 23 high schools in the MMA reaching out to 1675 pupils and 64 teachers raising awareness on the dolphins and several other threatened animal species in the MMA and Lakes and sustainable resource use
  - An additional essay and poster competition was held
- Environmental education school packages have been developed for junior and senior high schools for future inclusion in regular or extra curricular courses
- Poster distribution for protected species in the Middle Mahakam Area to schools, offices, owners of protected species, head of kampungs, gathering places



### **Dolphin monitoring surveys**

Three surveys in August, September & November 2007



### **Results:**

- •Best estimate 2007 based on photo-id analysis and direct count: 87 & 91
- •Mean annual mortality 1995-2007 = 4 deaths/yr
- •Mean birth = 5-6 newborns/ year



## ACTIVITIES YET TO BE CONDUCTED Within GNF supported project framework

### Protected Areas

- West Kutai: official legalization, socialization & demarcation sign boards
- Central Kutai: community interviews, stakeholders meetings, socialization and demarcation

### Campaigns:

- High school campaign in Samarinda City;
- Application of environmental education module & monitoring at schools;
- Elementary school campaign

#### Sustainable Fisheries:

- Implementation of sustainable aqua-culture with selected group of fishermen

