



# Proposals for use of UAVs in low-income countries as part of health cooperation

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# the projects



## ▶ Sierra Leone

- "Holy Spirit" Hospital – Makeni

## ▶ Burkina Faso

- *Centre Médicaux avec Antenne Chirurgicale* – Nanoro

## ▶ Senegal

- *Poste de Santé a Malika, Joeubeul, Koeur Massar, Kassak nord*

# Rainbow Crisis Unit



- ▶ Haiti – Port au Prince
- ▶ Haiti - Jeremie





Unmanned Aerial Vehicles (UAVs) that can be used to ferry medicine and other goods to remote places such as rural villages in Africa.





In such places, people often have to walk 20 miles to a clinic to receive treatments as simple as blood tests or pills.





UAVs can carry the payloads instead from point to point or to automated ground stations. At some point the ground stations will be so plentiful that the UAVs could transfer items over long distances.

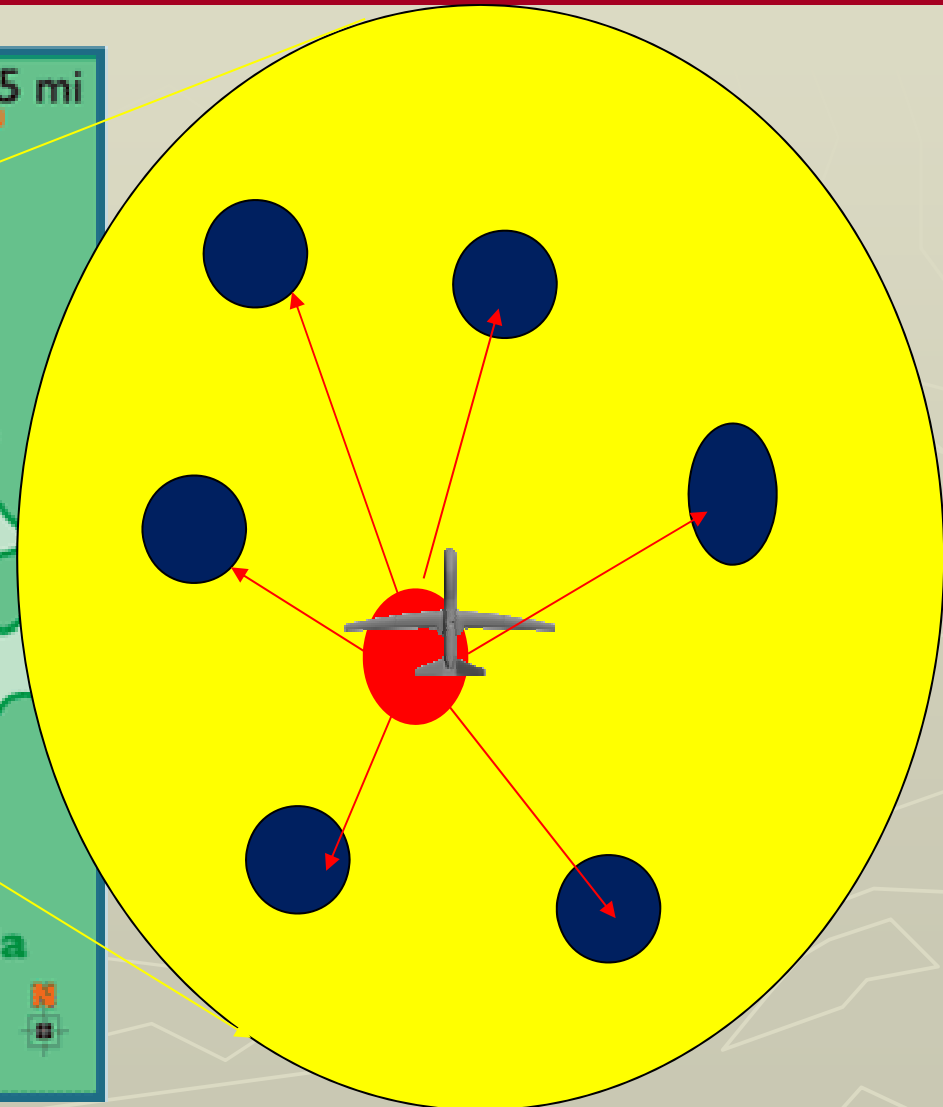




This is particularly useful in places where roads are often washed out by floods. We estimates that it can transfer blood tests for a cost of about 6 cents per kilometer, which is about half the cost of using standard transportation

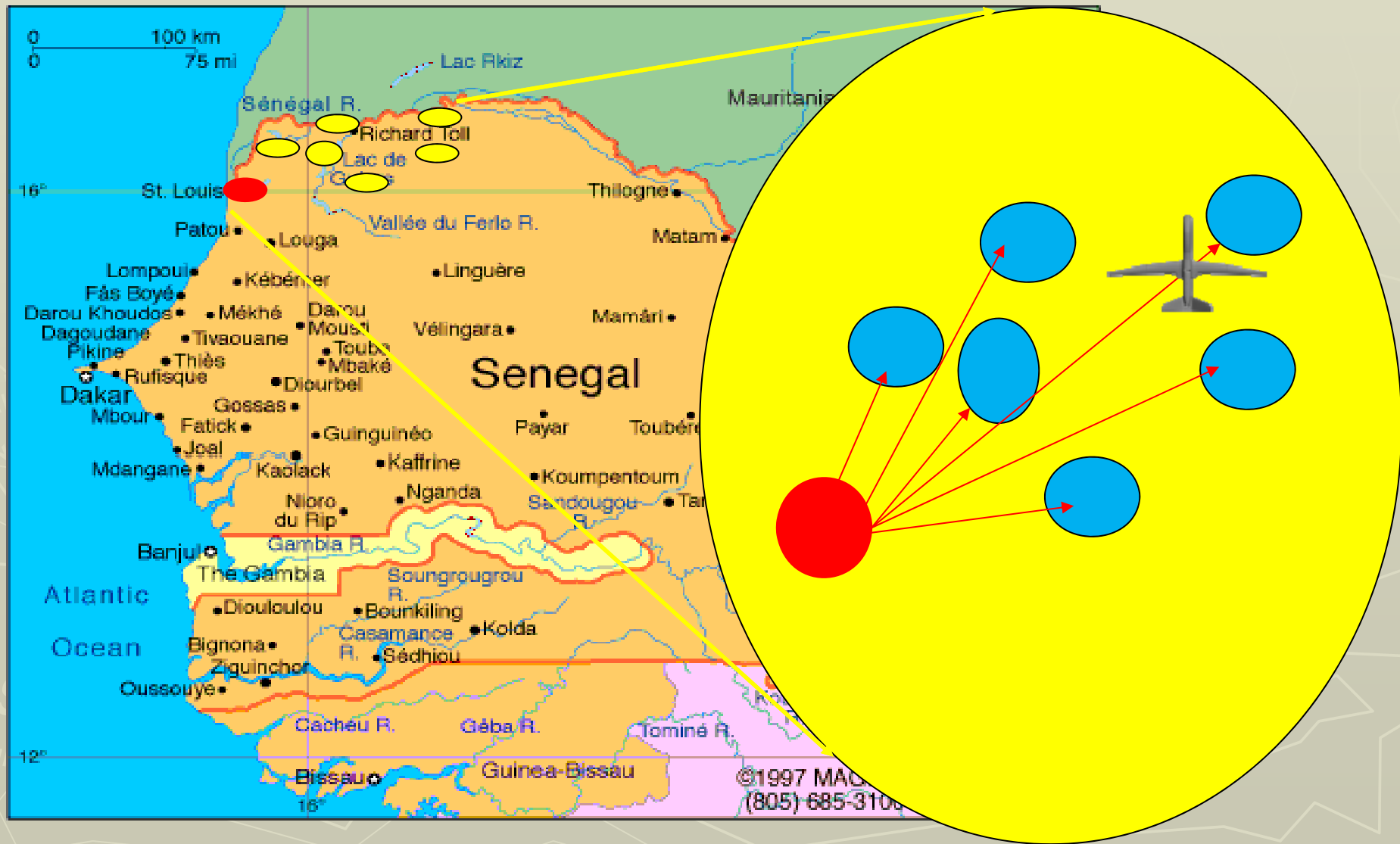


# Sierra Leone





# Senegal





# **Catastrophe : Earthquake, Tsunami etc**



**Catastrophic event**



**EMERGENCY UNIT**  
**In safe zone**



Phases of:

Verification and confirmation of Event

Personal appeal of Emergency Unit

Alerting facilities

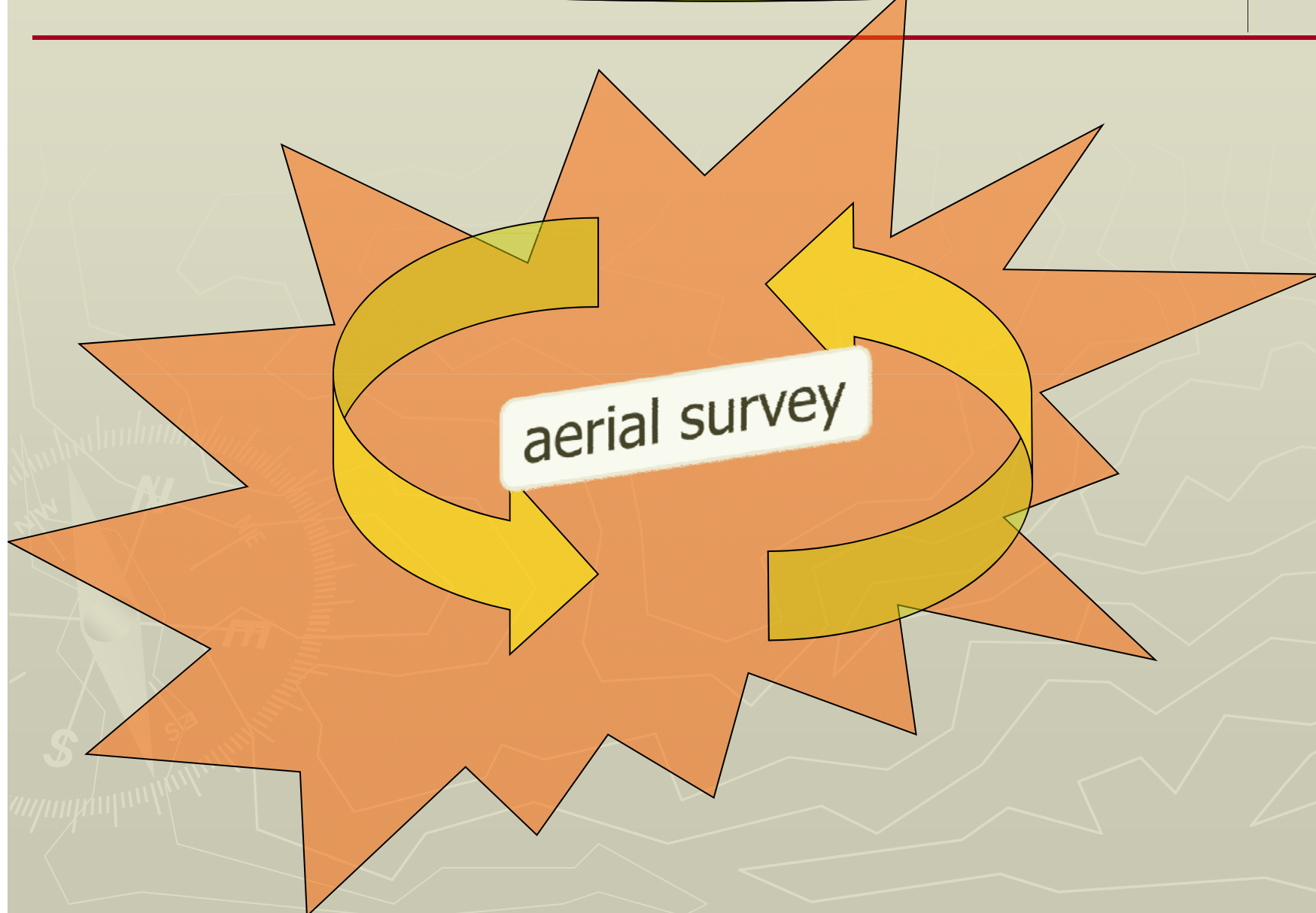
Splitting tasks among staff

Finding and sending emergency vehicles

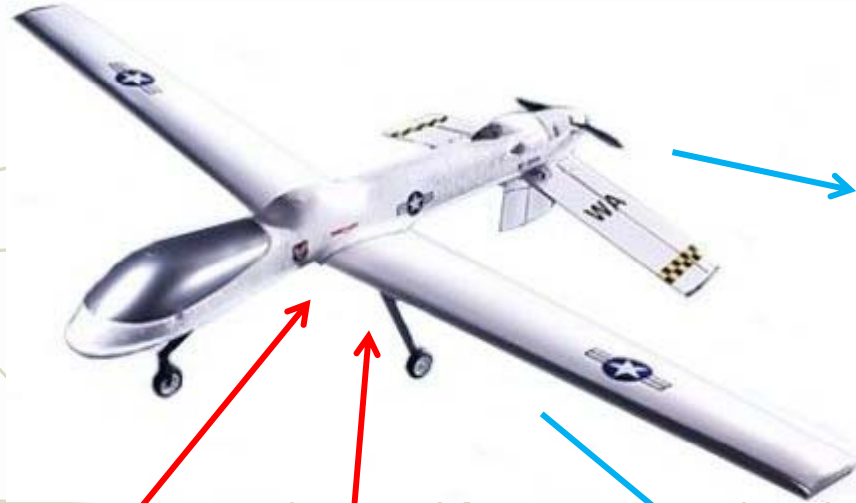
Coordination of relief

Connecting with the health facilities





# support teams on the ground



# Transportation Equipment





# Transport Injured







**GRAZIE !**

