

# Integrated Survey and Clearance in Vietnam

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## The Integrated Survey & Clearance Project

- ❖ Partnership between Government, NGOs and Donors in Quang Tri Province
- ❖ Multi-year tangible plan for completion of CM clearance province wide
- ❖ Based on transparent relationships allowing for open dialogue on methodology and project progress





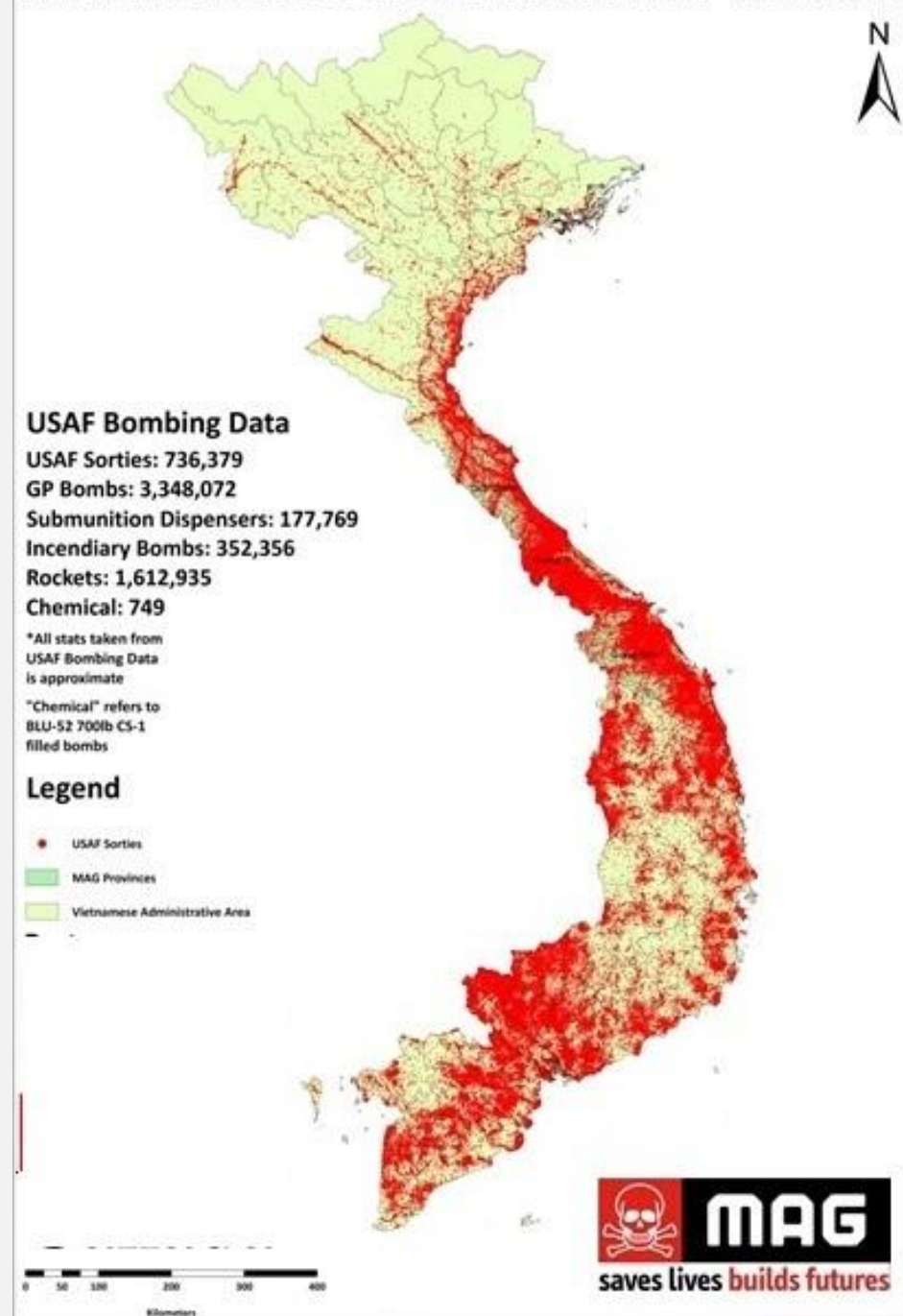
# Background



## Vietnam

- ❖ 15.4 Million tons of ordnance used during the war on Vietnam
- ❖ Provinces either side of the former DMZ most contaminated

## Extent of UXO Contamination in Vietnam

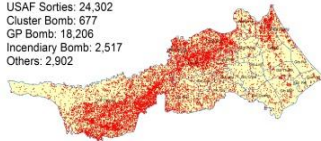




# QUANG TRI PROVINCE MAP



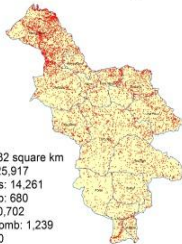
**Gio Linh**  
Area: 473 square km  
Population: 72,100  
USAF Sorties: 24,302  
Cluster Bomb: 677  
GP Bomb: 18,206  
Incendiary Bomb: 2,517  
Others: 2,902



**Cam Lo**  
Area: 346.90 square km  
Population: 46,300  
USAF Sorties: 9,775  
Cluster Bomb: 749  
GP Bomb: 7,361  
Incendiary Bomb: 774  
Others: 891



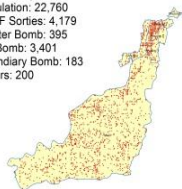
**Dakrong**  
Area: 1,233.32 square km  
Population: 25,917  
USAF Sorties: 14,261  
Cluster Bomb: 680  
GP Bomb: 10,702  
Incendiary Bomb: 1,239  
Others: 1,640



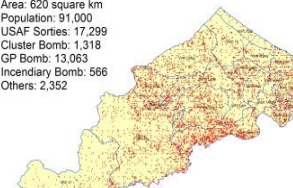
**Dong Ha City**  
Area: 72.95 square km  
Population: 84,157  
USAF Sorties: 1,804  
Cluster Bomb: 181  
GP Bomb: 1,134  
Incendiary Bomb: 32  
Others: 457



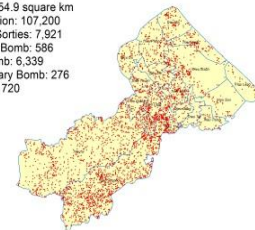
**Quang Tri Town**  
Area: 74 square km  
Population: 22,760  
USAF Sorties: 4,179  
Cluster Bomb: 395  
GP Bomb: 3,401  
Incendiary Bomb: 183  
Others: 200



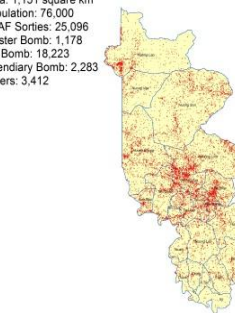
**Vinh Linh**  
Area: 620 square km  
Population: 91,000  
USAF Sorties: 17,299  
Cluster Bomb: 1,318  
GP Bomb: 13,063  
Incendiary Bomb: 566  
Others: 2,352



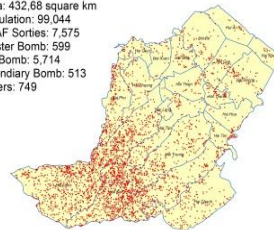
**Thieu Phong**  
Area: 354.9 square km  
Population: 107,200  
USAF Sorties: 7,921  
Cluster Bomb: 586  
GP Bomb: 6,339  
Incendiary Bomb: 276  
Others: 720



**Huong Hoa**  
Area: 1,151 square km  
Population: 76,000  
USAF Sorties: 25,096  
Cluster Bomb: 1,178  
GP Bomb: 18,223  
Incendiary Bomb: 2,283  
Others: 3,412



**Hai Lang**  
Area: 432.68 square km  
Population: 99,044  
USAF Sorties: 7,575  
Cluster Bomb: 599  
GP Bomb: 5,714  
Incendiary Bomb: 513  
Others: 749





## Organisations – Historical Information

### NPA

Established presence in 2007  
– TT Hue and Quang Tri Provinces

Conducted primarily EOD and Survey activities

Focussed on Trieu Phong and Cam Lo Districts in Quang Tri

### MAG

Established presence in 1999  
– Quang Tri and Quang Binh Provinces

Conducted primarily EOD and Clearance activities

Focussed on Gio Linh and Vinh Linh Districts in Quang Tri





## Historical Coordination – Provincial Level

- ❖ Organisations operated in distinct geographical areas, usually districts, as allocated by the DoFA
- ❖ Organisations worked according to their own operational methodology
- ❖ No sharing of data between organisations. Operators maintained data on their own internal IM systems



**Partnership**

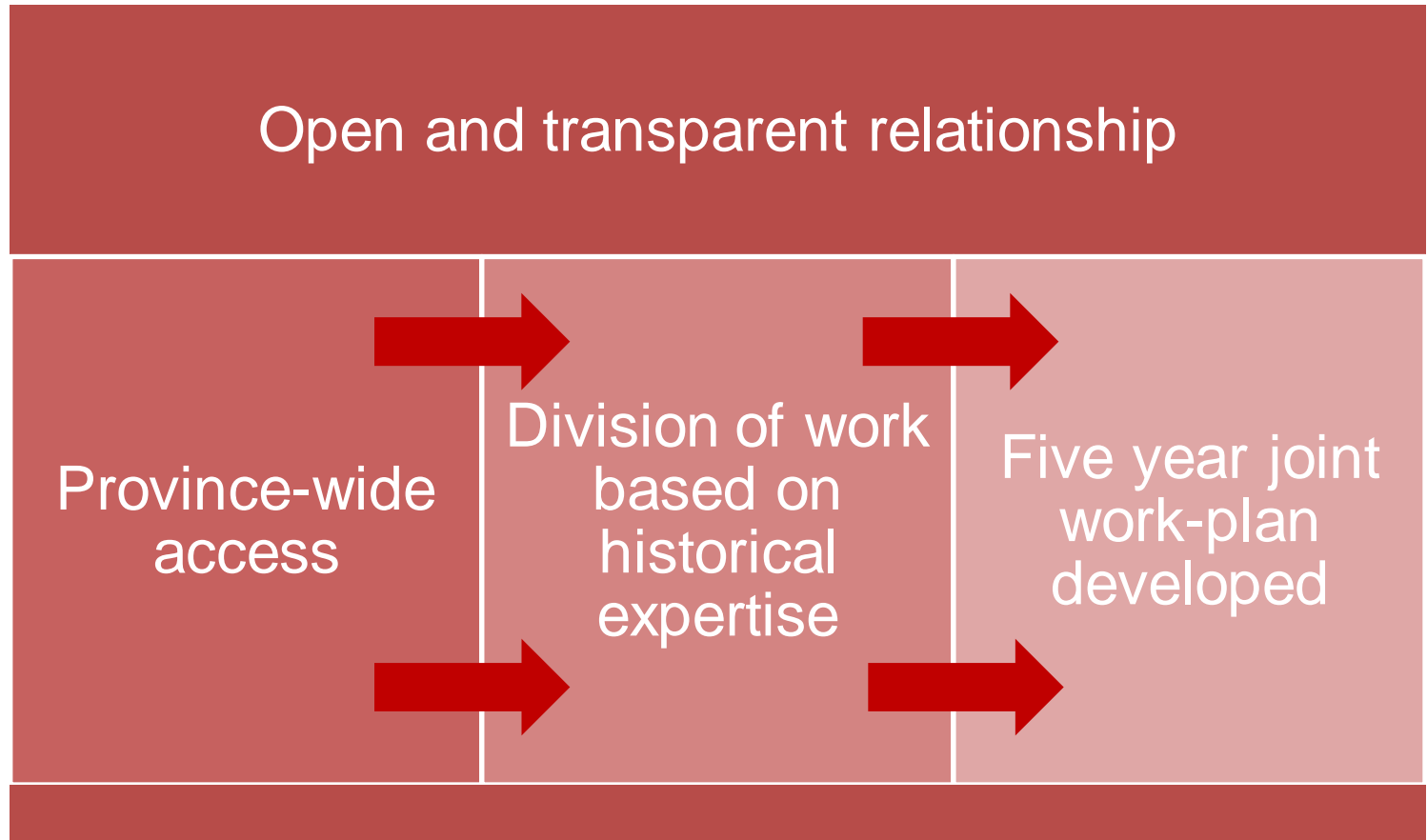




## Why Partnership?

- ❖ Complementary skills, knowledge and capacity between different operators— Identified that combining efforts across the province would be a more efficient and effective way to operate.
- ❖ Focal point for provincially held information established with the Quang Tri Database Unit— Enabled coordination of activities across the province.
- ❖ Pilot project commenced in early 2014 with MAG conducting clearance of CHAs generated by NPA's CMRS process. This trial was successful and a more formal partnership was established between MAG, NPA and the provincial authorities.

# The Partnership







## Conclusion

- ❖ True partnership requires all parties to be transparent and open to constructive feedback
- ❖ Survey and Clearance together define the contamination levels & work-plan to address it