## System for monitoring law enforcement of informal mining





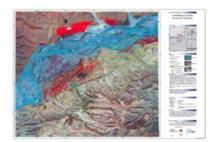


Fig 1. SYMIN - Gold Mining in Afghanistan



Fig 2. SYMIN - Coal Mining in Afghanistan

- **Users:** Geological Surveys, Ministries of Mines, Environmental Protection Agencies
- Need: Artisanal and Small Scale Mining (ASM) worldwide activity;
  80-100 Mio. people dependent on ASM
- Challenge: Small operations in remote areas of Afghanistan, high impact on the environment, much of actual economic impact lost
- Initiative: Very High Resolution (VHR) imagery to detect mining operations, stereo imagery to estimate material extracted, radar coherence information for informal border crossings, active/non-active operations,..
- **Results:** Maps, geographical information for GIS, end-user dossiers for monitoring and inspecting artisanal and small-scale mining and provide assistance to miners
- Service provider: GAF AG, Arnulfstr.199
  Munich, Germany; http://www.gaf.de/



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