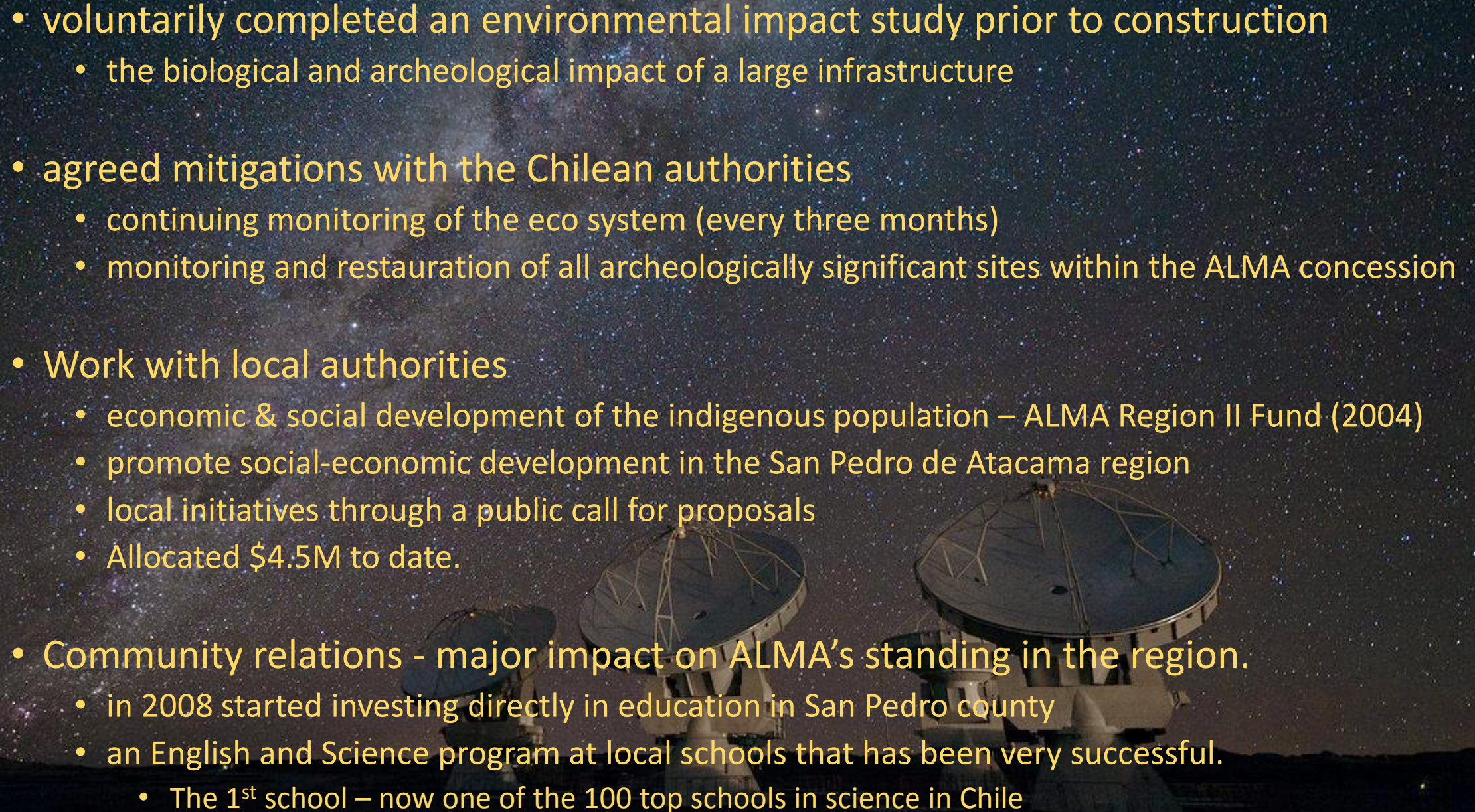


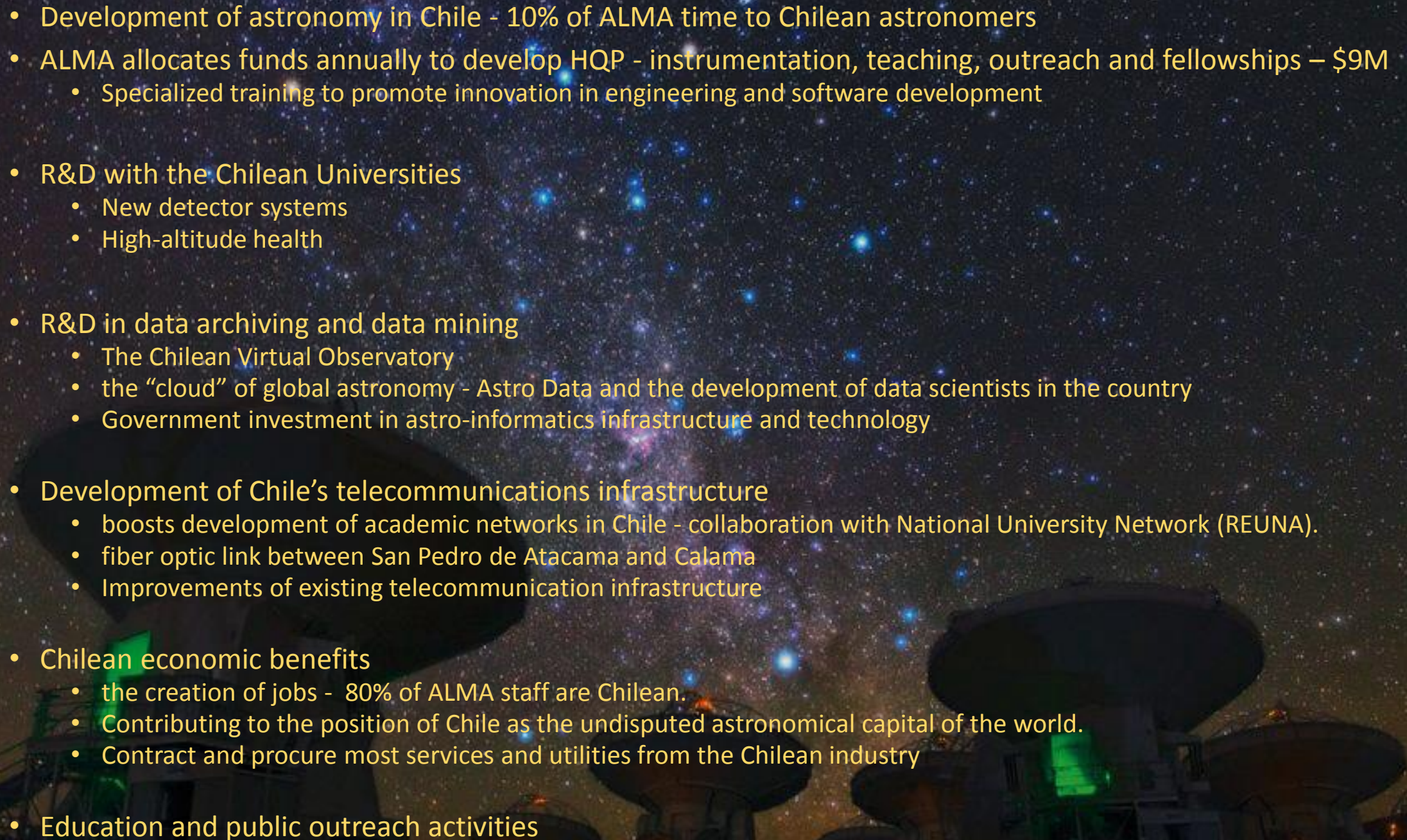
ALMA is the world's largest telescope
Funded by ESO (Europe), NINS (Japan), NSF (USA)
At 5000m in the Atacama Desert, Chile

Ancestral indigenous land

Environmentally unique



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- voluntarily completed an environmental impact study prior to construction
 - the biological and archeological impact of a large infrastructure
 - agreed mitigations with the Chilean authorities
 - continuing monitoring of the eco system (every three months)
 - monitoring and restauration of all archeologically significant sites within the ALMA concession
 - Work with local authorities
 - economic & social development of the indigenous population – ALMA Region II Fund (2004)
 - promote social-economic development in the San Pedro de Atacama region
 - local initiatives through a public call for proposals
 - Allocated \$4.5M to date.
 - Community relations - major impact on ALMA's standing in the region.
 - in 2008 started investing directly in education in San Pedro county
 - an English and Science program at local schools that has been very successful.
 - The 1st school – now one of the 100 top schools in science in Chile

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- Development of astronomy in Chile - 10% of ALMA time to Chilean astronomers
 - ALMA allocates funds annually to develop HQP - instrumentation, teaching, outreach and fellowships – \$9M
 - Specialized training to promote innovation in engineering and software development
 - R&D with the Chilean Universities
 - New detector systems
 - High-altitude health
 - R&D in data archiving and data mining
 - The Chilean Virtual Observatory
 - the “cloud” of global astronomy - Astro Data and the development of data scientists in the country
 - Government investment in astro-informatics infrastructure and technology
 - Development of Chile’s telecommunications infrastructure
 - boosts development of academic networks in Chile - collaboration with National University Network (REUNA).
 - fiber optic link between San Pedro de Atacama and Calama
 - Improvements of existing telecommunication infrastructure
 - Chilean economic benefits
 - the creation of jobs - 80% of ALMA staff are Chilean.
 - Contributing to the position of Chile as the undisputed astronomical capital of the world.
 - Contract and procure most services and utilities from the Chilean industry
 - Education and public outreach activities