

**love**  
planet  
earth

2022

Oceans and seas, rivers and lakes, rice fields and raceways: the waters of the world provide not just fish but other aquatic foods that help humanity to address complex and critical global challenges - nutrition and public health, climate change and resilience, gender equity, social inclusion and sustainable growth within planetary boundaries. A crucial key to these food systems are artisanal fishers, fish farmers and fish workers, who are proof that small actions can have large impacts, providing food and livelihoods for millions.

This is the spirit of IYAFA 2022: the **International Year of Artisanal Fisheries and Aquaculture**. **Love Planet Earth** in celebration of IYAFA 2022 takes us on a journey around the world to view some of these activities from Space, to provide a glimpse, from a distant viewpoint, of the activities of small-scale artisanal fishers, fish farmers and fish workers. We take this year to recognize their contributions to human well-being, healthy food systems and poverty eradication through the responsible and sustainable use of fisheries and aquaculture resources. While they may be small in scale, they are big in value.



INTERNATIONAL YEAR OF  
**ARTISANAL FISHERIES  
AND AQUACULTURE**  
2022

*The **United Nations General Assembly** declared 2022 as the **International Year of Artisanal Fisheries and Aquaculture (IYAFA 2022)** and identified **FAO** as the lead agency, collaborating with relevant organizations and bodies of the United Nations system. IYAFA 2022 can act as a springboard towards achieving the Sustainable Development Goals by 2030.*

The appropriate steps have been taken to minimize this calendar's environmental footprint.  
All materials used comply with environmental regulations.

- The paper used is 100% FSC (Forest Stewardship Council) certified;
- The pages have not been coated with plastic, so they are fully recyclable;
- We have selected a spiral design that enables us to save one kilometer of metal.









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JANUARY 2022

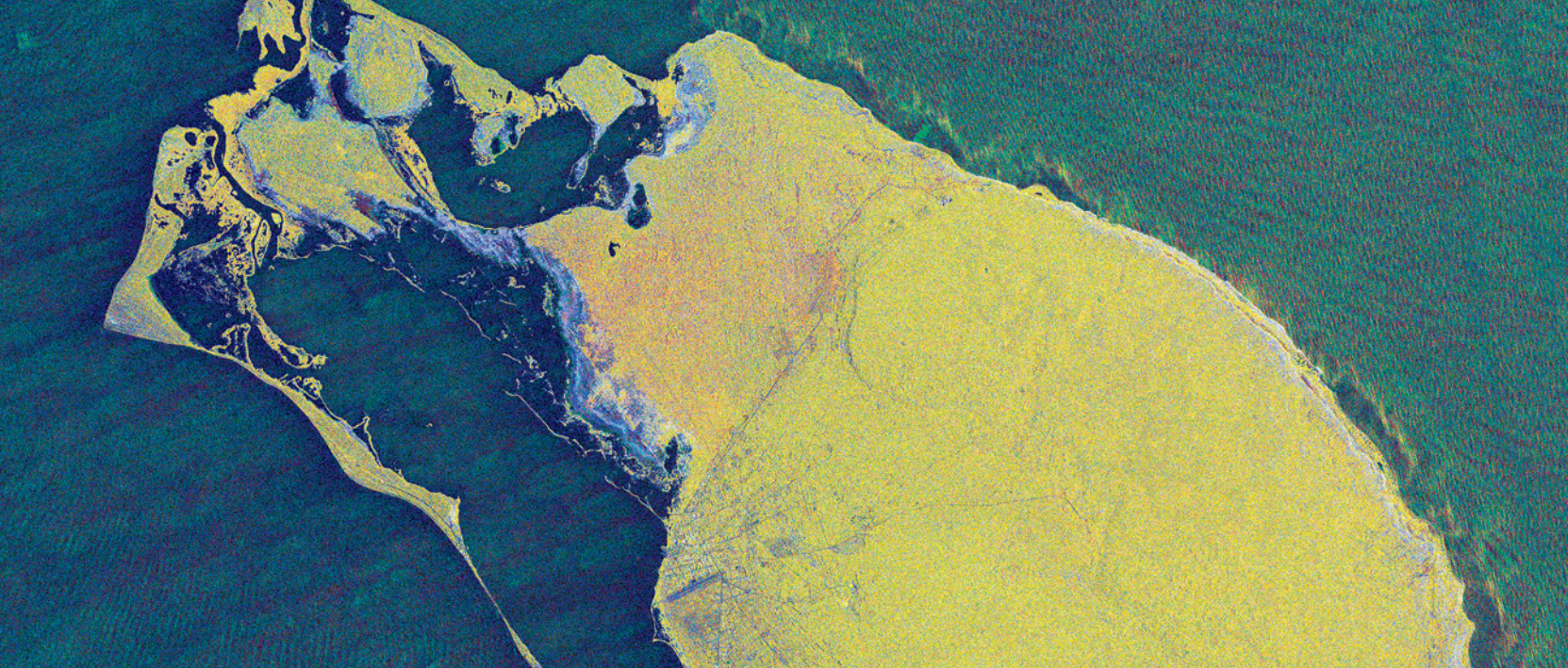




Kneiss Island, near Sfax, Tunisia is an area where women collect clams based on simple sustainability criteria, supported by an association addressing capacity development, off-season activities, and social empowerment.

**Kneiss Island, Tunisia.** SuperView-1 Image © China Siwei Surveying and Mapping Technology 2020. Distributed by SpaceWill





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FEBRUARY 2022





The shallow, warm and protected waters of Barbuda offer spawning and nursery habitats for fish, lobster and conchs which disperse across the region to replenish stocks crucial for small-scale fishers in the eastern Caribbean.

**Barbuda island, eastern Caribbean.** COSMO-SkyMed image © ASI, processed and distributed by e-GEOS





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MARCH 2022

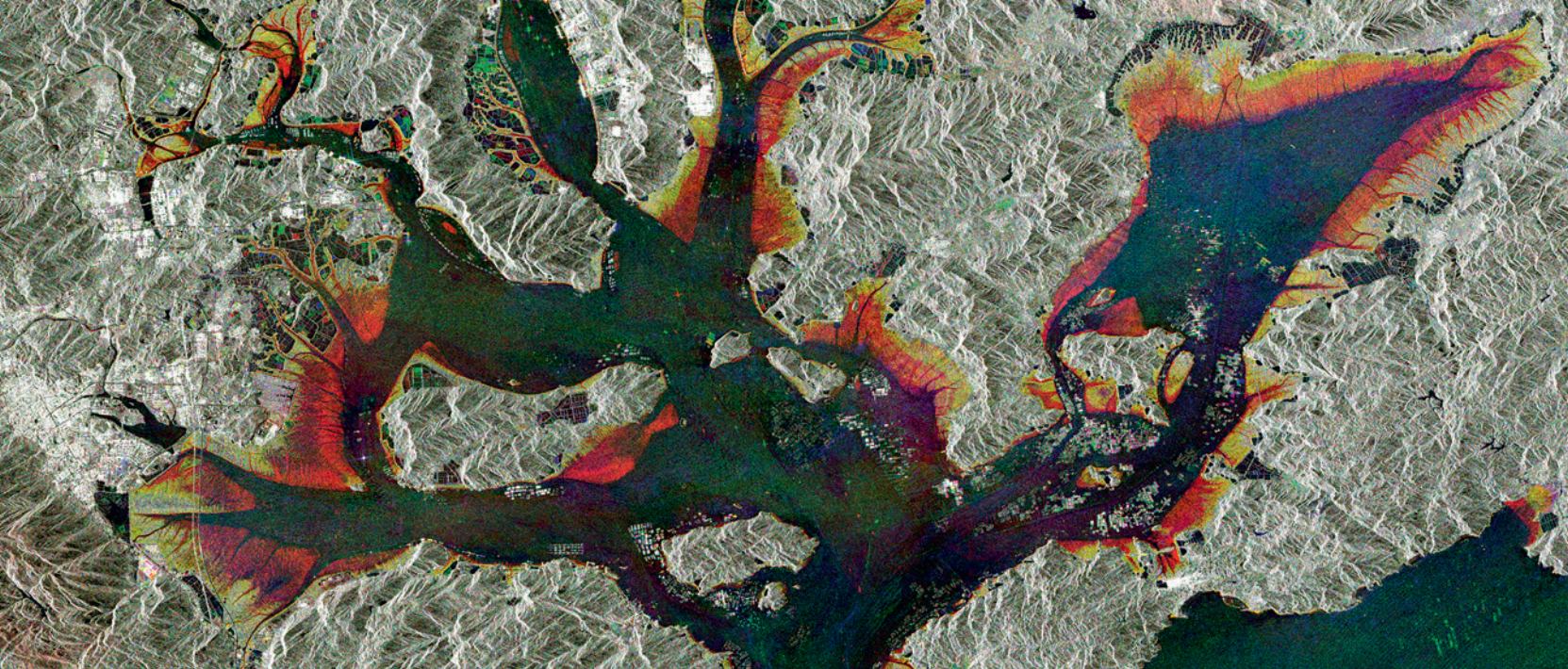




Many Small Island Developing States encompass large marine areas and therefore rely heavily on small-scale fisheries for both food security and as a source of export products, as is the case in Tuvalu in the southern Pacific.

**Tuvalu Island, Polynesian subregion of Oceania in the Pacific Ocean.** Sentinel-2 © ESA 2021. Processed by e-GEOS





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APRIL 2022





Seaweed farming sites fill the Fujian bay in China, producing not only aquatic food but also providing habitat, ecosystem benefits and water quality improvement.

**Fujian, southeastern coast of China.** Sentinel-1 © ESA 2021. Processed by e-GEOS



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MAY 2022

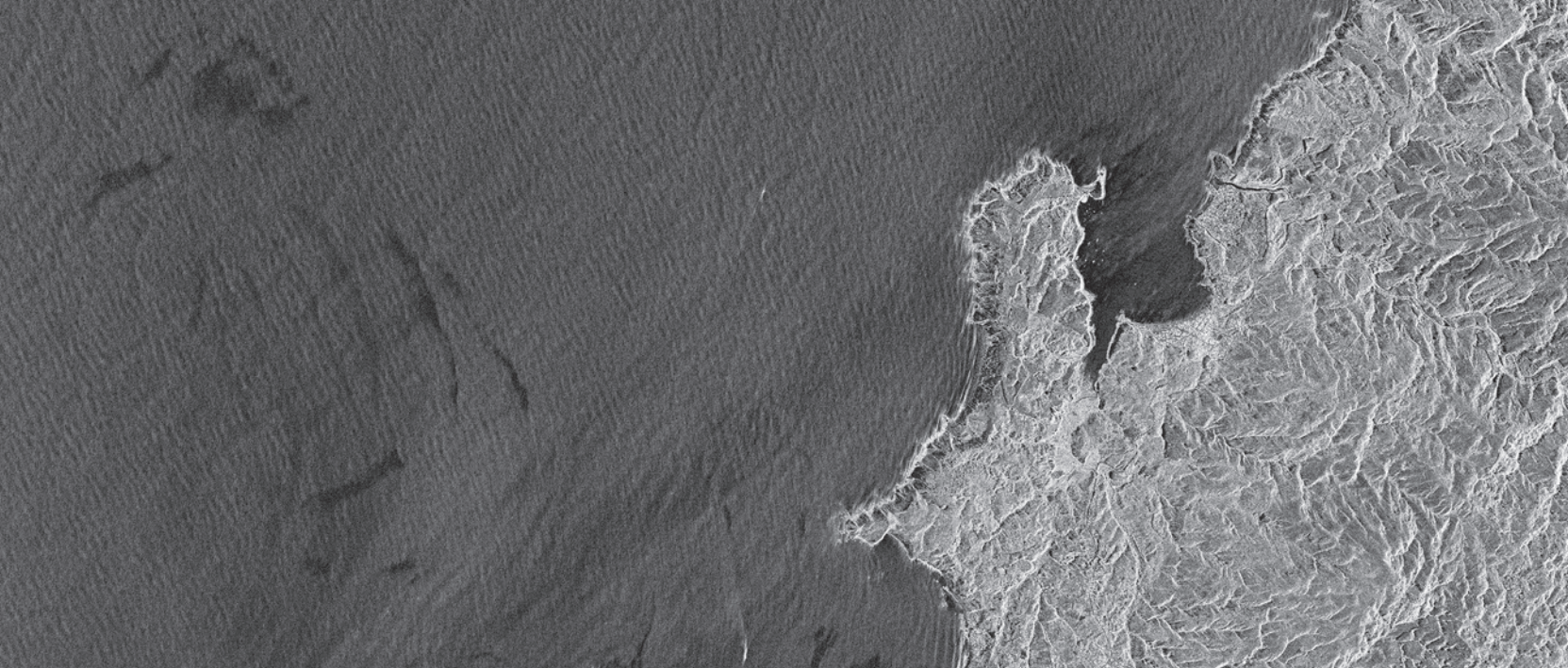




In Nouadhibou harbor, Mauritania, thousands of densely packed boats of the small-scale fishing fleet form a shape resembling ice crystals when seen from above.

**Nouadhibou, Mauritania.** Image from GEOSAT 2 © 2021 GEOSAT





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JUNE 2022

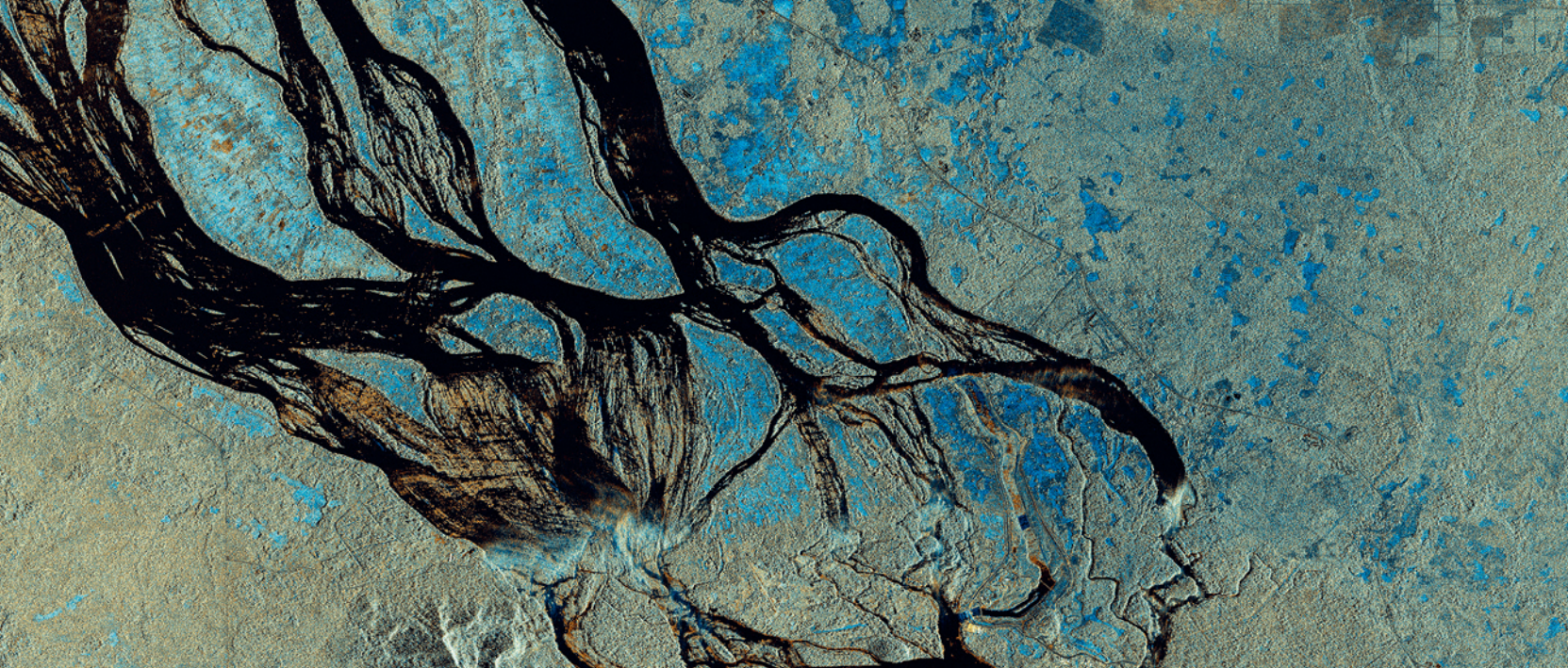




In the coves and bays along the coast of Chile, small-scale fishers and fish farmers harvest the ocean's bounty, but climate change is threatening their traditional practices and requiring them to adapt.

**Caleta Coliumo, Chile.** COSMO-SkyMed image © ASI, processed and distributed by e-GEOS





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JULY 2022

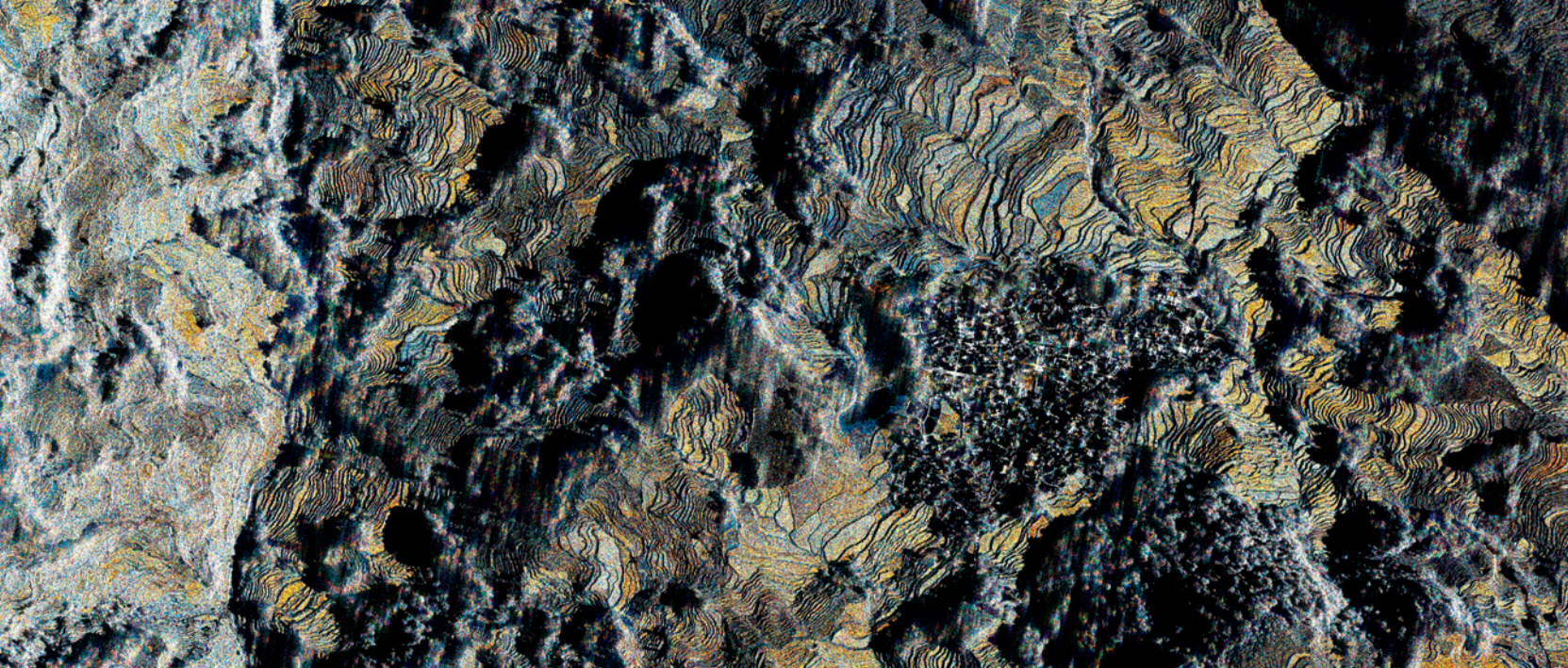




Thousands of islands in the Mekong River, near the Champasak Province, provide fertile fishing grounds for many freshwater species, essential for food, nutrition and livelihoods in the local communities.

**Si Pahn Don, Mekong River in southern Lao PDR.** COSMO-SkyMed image © ASI, processed and distributed by e-GEOS





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AUGUST 2022

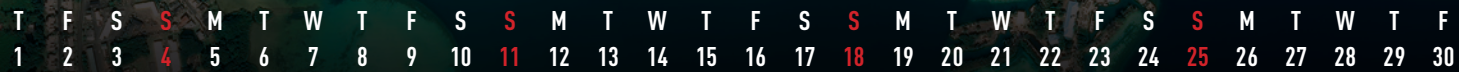




Recognized as a Globally Important Agricultural Heritage System, the Hani Rice Terraces combine rice fish farming and traditional terracing techniques, with the importance of aquatic biodiversity celebrated in the Hani culture.

**The Honghe Hani Rice Terraces, China.** COSMO-SkyMed image © ASI, processed and distributed by e-GEOS





**SEPTEMBER 2022**



Communities are restoring ancient fishponds, or loko iʻa, across the Hawaiian Islands in the USA, with small-scale fish farmers combining modern techniques with traditional knowledge to adapt to today's shifting needs.

**He'eia Fishpond, Hawai'i, USA.** Pléiades Image ©CNES 2021, Distribution Airbus DS





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OCTOBER 2022





Outside Balanbeen, Zambia, a government aquaculture research station provides local small-scale fish farmers with training, support and improved tilapia and catfish fingerlings.

**Balanbeen, Zambia.** WorldView-3 image © Maxar Technologies





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NOVEMBER 2022





Containing the highest freshwater biodiversity on Earth, the Amazon river is a fundamental source of food and income for riverside communities.

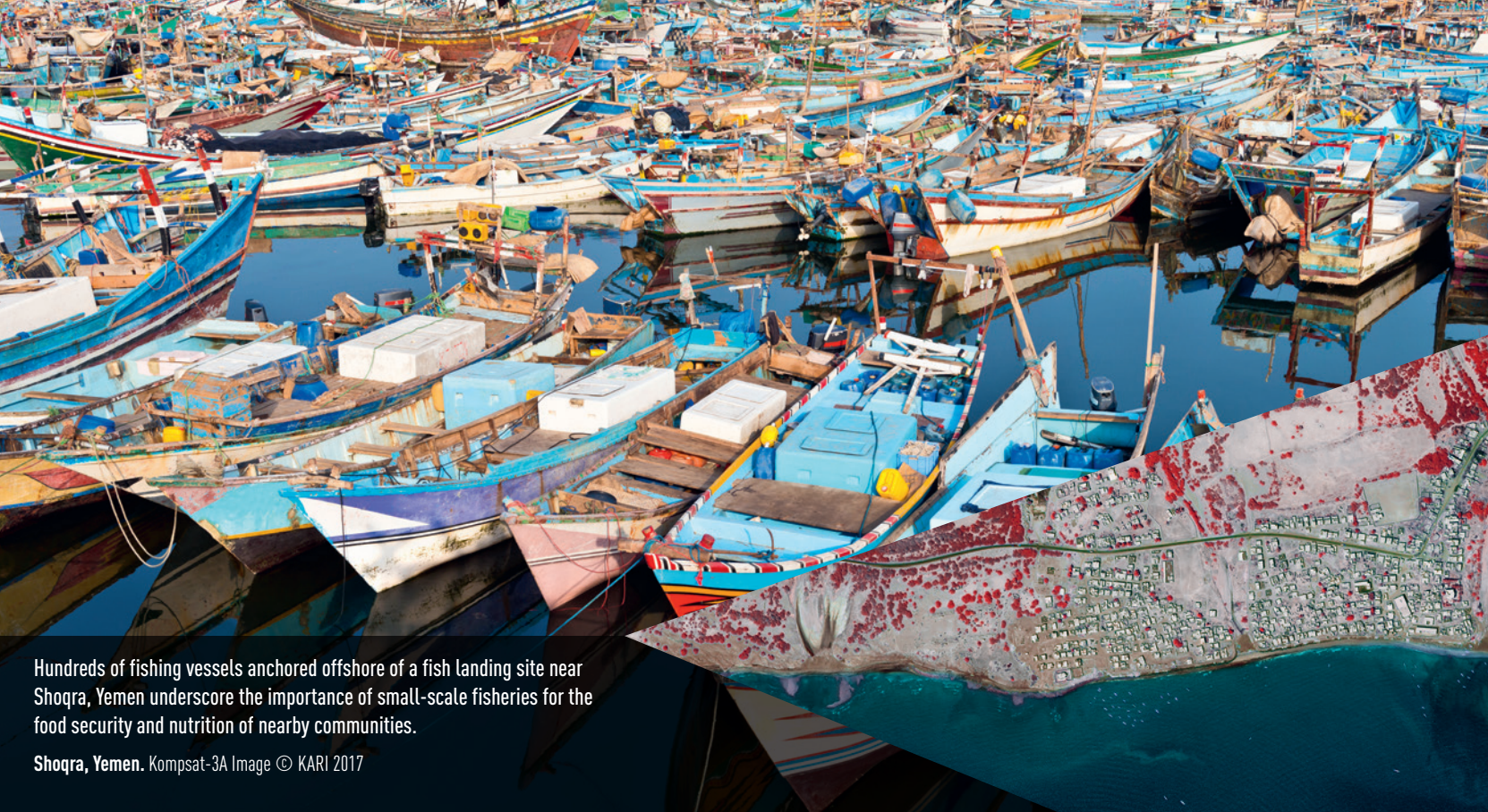




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DECEMBER 2022





Hundreds of fishing vessels anchored offshore of a fish landing site near Shoqra, Yemen underscore the importance of small-scale fisheries for the food security and nutrition of nearby communities.

**Shoqra, Yemen.** Komsat-3A Image © KARI 2017