OpenG2P

for Disaster Relief



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The global economic toll of disasters is rising at an unprecedented pace, **costing the world** over **$2.3 trillion** every year[1]. These numbers highlight a crucial reality that failing to invest in disaster preparedness and response costs far more than building systems that are ready, resilient, and responsive.



Disaster relief refers to the urgent response and early recovery efforts aimed at helping people affected by both natural and man-made crises.



This includes providing essential support like **food, clean water, medical care, clothing, shelter, and search-and-rescue services.**

The ability to deliver aid **quickly, accurately, and securely** is critical, and technology plays a crucial role.

Technology

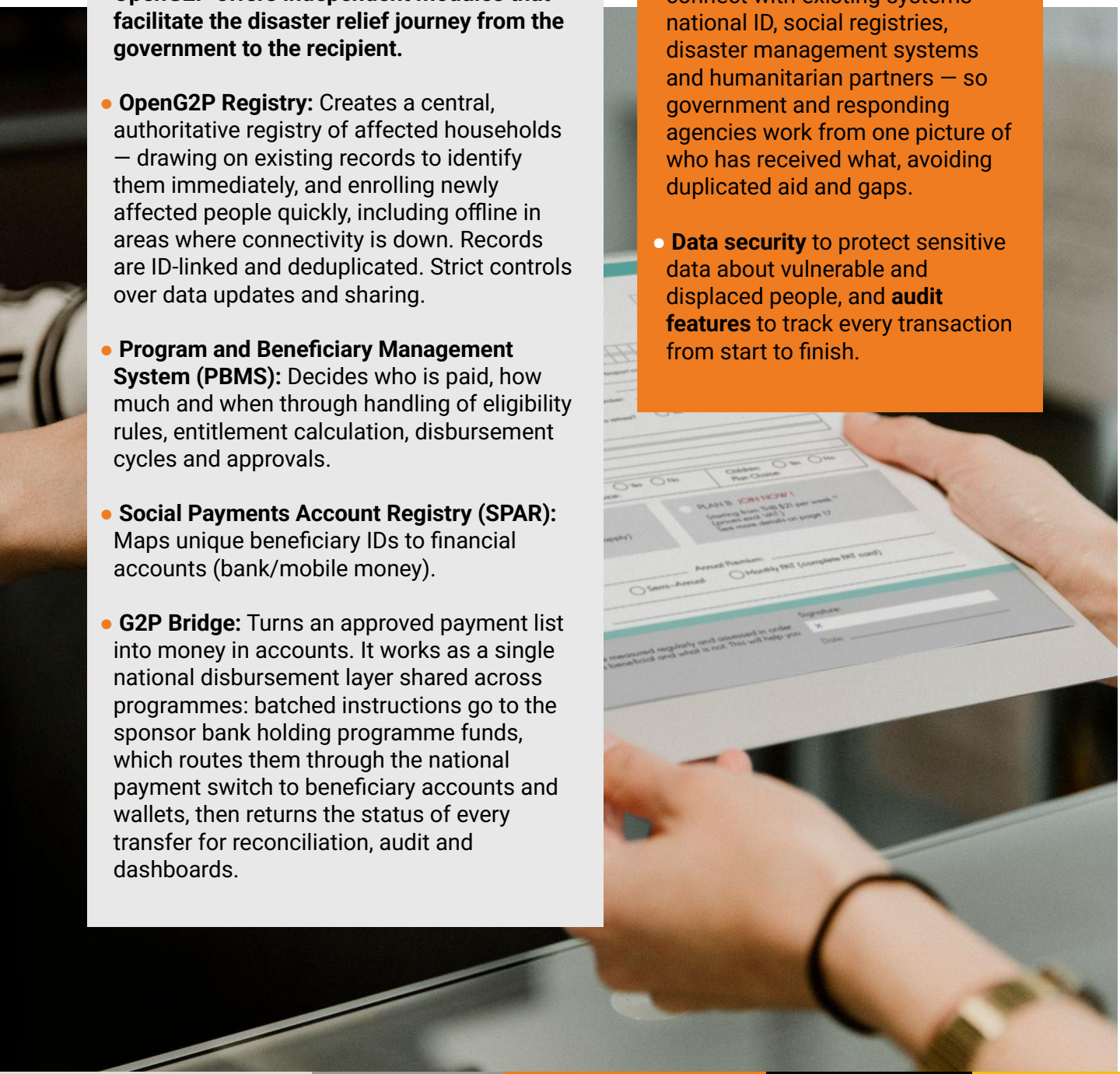
OpenG2P offers open-source building blocks designed to help governments and humanitarian organisations deliver all types of assistance, digital payments, physical goods, and life-saving services. By transitioning from manual, paper-based processes to a modular, interoperable digital platform, OpenG2P ensures benefits reach intended recipients efficiently. It serves as a Digital Public Good (DPG), mitigating the risk of vendor lock-in and allowing governments to customise solutions to their unique needs.

OpenG2P offers independent modules that facilitate the disaster relief journey from the government to the recipient.

- **OpenG2P Registry:** Creates a central, authoritative registry of affected households — drawing on existing records to identify them immediately, and enrolling newly affected people quickly, including offline in areas where connectivity is down. Records are ID-linked and deduplicated. Strict controls over data updates and sharing.
- **Program and Beneficiary Management System (PBMS):** Decides who is paid, how much and when through handling of eligibility rules, entitlement calculation, disbursement cycles and approvals.
- **Social Payments Account Registry (SPAR):** Maps unique beneficiary IDs to financial accounts (bank/mobile money).
- **G2P Bridge:** Turns an approved payment list into money in accounts. It works as a single national disbursement layer shared across programmes: batched instructions go to the sponsor bank holding programme funds, which routes them through the national payment switch to beneficiary accounts and wallets, then returns the status of every transfer for reconciliation, audit and dashboards.

Benefits:

- **Interoperable modules** to connect with existing systems — national ID, social registries, disaster management systems and humanitarian partners — so government and responding agencies work from one picture of who has received what, avoiding duplicated aid and gaps.
- **Data security** to protect sensitive data about vulnerable and displaced people, and **audit features** to track every transaction from start to finish.



OPENG2P IN ACTION

Programme	Use Case	Government Partner	Reach / Potential Impact
Emergency Relief Programme (Ethiopia)	Effective delivery of emergency relief to people affected by natural disasters and conflict (including Internally Displaced Persons).	The Ethiopian Disaster Risk Management Commission (EDRMC)	15 million people country-wide
Returnee Programme (Ethiopia)	One-time assistance delivering food, cash and transportation to migrant returnees.	The Ethiopian Disaster Risk Management Commission (EDRMC)	3000 people weekly

References:

1. United Nations Office for Disaster Risk Reduction (2025). Global Assessment Report on Disaster Risk Reduction 2025: Resilience Pays: Financing and Investing for our Future. Geneva.





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