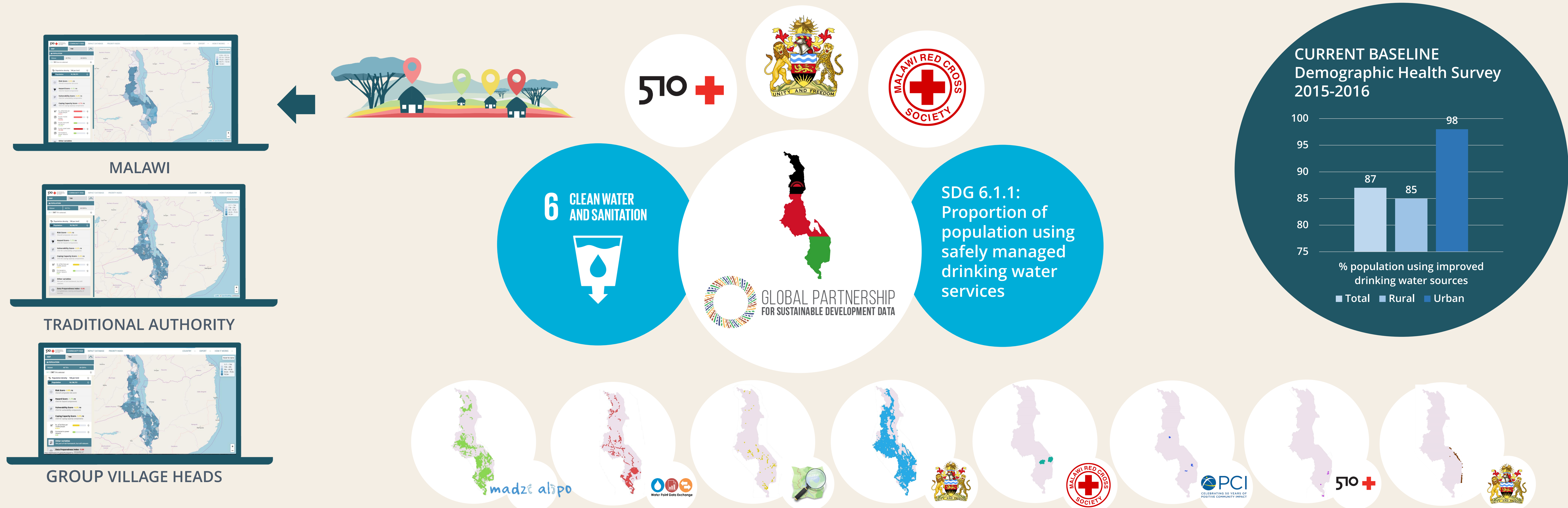# CHARACTERISING THE DATA ECOSYSTEM AROUND THE SDGS FOR MORE EFFICIENT REPORTING

In developing countries, still a substantial proportion of the population is lacking access to basic livelihood services. The SDGs try to address these – any many more – problems, yet measuring progress is complicated. Countries most in need of development often lack mature data ecosystems to handle data for reporting on the SDGs. Often, many different actors are active in the field of humanitarian assistance and gather their own data, resulting in a fragmented data landscape. Characterizing data ecosystems around the SDGs will be the first step towards more efficient reporting. This will be illustrated by SDG 6.1.1. in rural Malawi.

MALAWI

TRADITIONAL AUTHORITY

GROUP VILLAGE HEADS

510 +

MALAWI RED CROSS SOCIETY

6 CLEAN WATER AND SANITATION

SDG 6.1.1: Proportion of population using safely managed drinking water services

GLOBAL PARTNERSHIP FOR SUSTAINABLE DEVELOPMENT DATA

CURRENT BASELINE
Demographic Health Survey
2015-2016

% population using improved drinking water sources
Total: 87   Rural: 85   Urban: 98
(Total, Rural, Urban)

madzi alipo

		DATASET SOURCE	Madzi Alipo	WPDx	OSM	Department of Irrigation and Water Development (Malawi Government)	Malawi Red Cross Society	PCI	510 (NLRC)	Department of Surveys (Malawi Government)
QUALITY	RECENCY	DATE OF SOURCE	Multiple	Multiple	Daily (14/6/2018)	2002-2004	FEB - APR 2108	2003, JUL-OCT 2016	aug-17	2012-2015
		RETENTION SCORE	2	2	1	2	1	2	1	2
	SOURCE RELIABILTY		1	2	1	1	1	1	1	1
	CONTENT ACCURACY		1	1	1	3	1	1	2	1
	SPATIAL COVERAGE	GRANULARITY	1	1	1	1	1	1	1	1
		COVERAGE SCORE	1	1	2	1	3	4	4	3
	# OF ATTRIBUTES		8	9	1	7	4	7	3	2
	OVERALL QUALITY		8	8	11	10	12	11	13	13
COSTS	LEVEL OF STRUCTURE		2	2	1	2	1	1	2	2
	DIFFICULTY TO OBTAIN		2	1	1	3	3	3	3	3
	OVERALL COSTS		4	3	2	5	4	4	5	5

FINDING 1
This framework to characterize the data ecosystem enables identification of datasets with sufficient Quality and lowest Cost for supporting Official Statistics

OPPORTUNITY 1
Explore potential for this assessment methodology of data ecosystems for reporting on other SDG's

FINDING 2
Many governmental and NGO actors involved in sectors relevant to the SDGs with different funding sources and little overall governance, resulting in immature data ecosystem

OPPORTUNITY 2
Bring different actors together, lower barriers for data sharing and collection, establish standardization of attributes

FINDING 3
Small adoption of and large variety of geospatial data sharing platforms and online accessible information management systems a.o. due to failing internet and low data literacy. Lots of data still not open

OPPORTUNITY 3
Increase data literacy and awareness of the different data platforms. Establish collaborations between the different platforms and avoid that new ones are being developed (rather strengthen existing ones). Use off- and online data collection tools