

RIVER AND WATER RESOURCE MANAGEMENT

APRIL 23, 2019, KL PAC

RIVER CARE PROGRAMME (RCP)



Integrated River Basin
Management Programme

RIVER Care
Programme (2004)

Mission

Promote the protection, restoration and sustainable use of rivers by enhancing multi - stakeholder participation and knowledge to stimulate local action.

Vision

To have clean, healthy, living and vibrant rivers for people, flora, fauna and environment

RCP PROGRAMME



2002

SMART RANGER

2004

RIVER RANGER

2007

LAKE/PARK RANGER

2014

DR H2O

2015

FLOOD RANGER

2015

NRCF

2016

ISLAND RANGER

COMPONENTS OF RCP

Module

- RIVER Ranger Module
- SMART Ranger Module
- DRH2O
- FLOOD Ranger Module

Tools

- River Report Card
- Lake Report Card
- River Auditing
- DRH2O Water Auditing Calculator & Toolbox
- Grab Bag & 72H Kit



Work Area

- River Protection & Conservation
- River Restoration & Rehabilitation
- River Monitoring
- Water Management
- Capacity Building
- Environmental Education

ACTIVE RCP PARTNERS

MINISTRIES



- MINISTRY OF WATER, LAND AND NATURAL RESOURCES
- MINISTRY OF ENERGY, SCIENCE, TECHNOLOGY, ENVIRONMENT AND CLIMATE CHANGE
- MINISTRY OF EDUCATION
- MINISTRY OF FEDERAL TERRITORIES
- NATIONAL WATER SERVICES COMMISSION (SPAN)

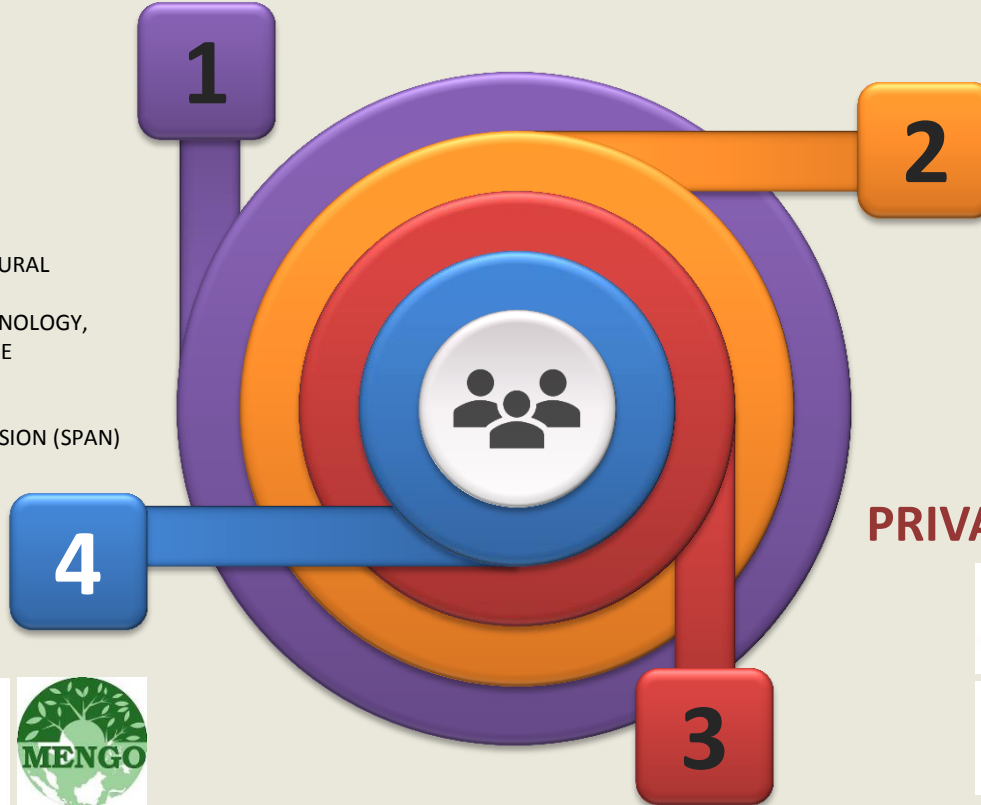
CBO/NGOS

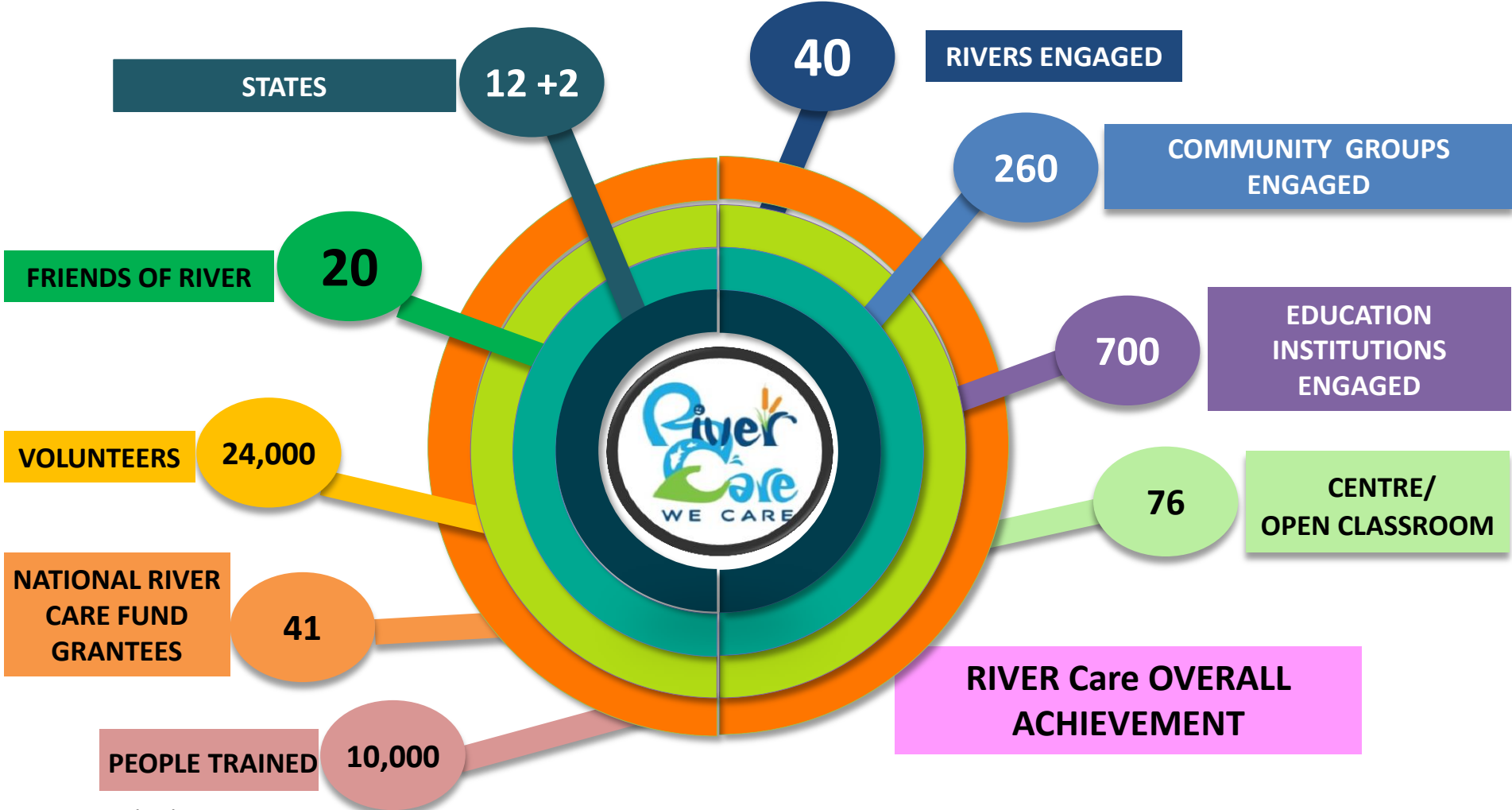


AGENCIES

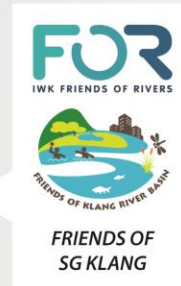


PRIVATE SECTORS





FRIENDS OF RIVERS



2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018

RIVER RESTORATION

FLOW REGULATION

Taman Tugu

HABITAT CREATION

BEFORE



AFTER



BEFORE



AFTER



RIVER REHABILITATION

Sg. Way, Penchala Basin

BEFORE



AFTER



- In 2007, the river was plagued by solid and liquid pollution ,waste pollution and was not conducive to any living organism.
- In 2009, 'River within River' concept introduced
 - Class IV-V to Class III, improvement on biodiversity.

RIVER OPEN CLASSROOM

Taman Warisan, Klang Basin

BEFORE



AFTER



RIVER CLEAN UP

BEFORE

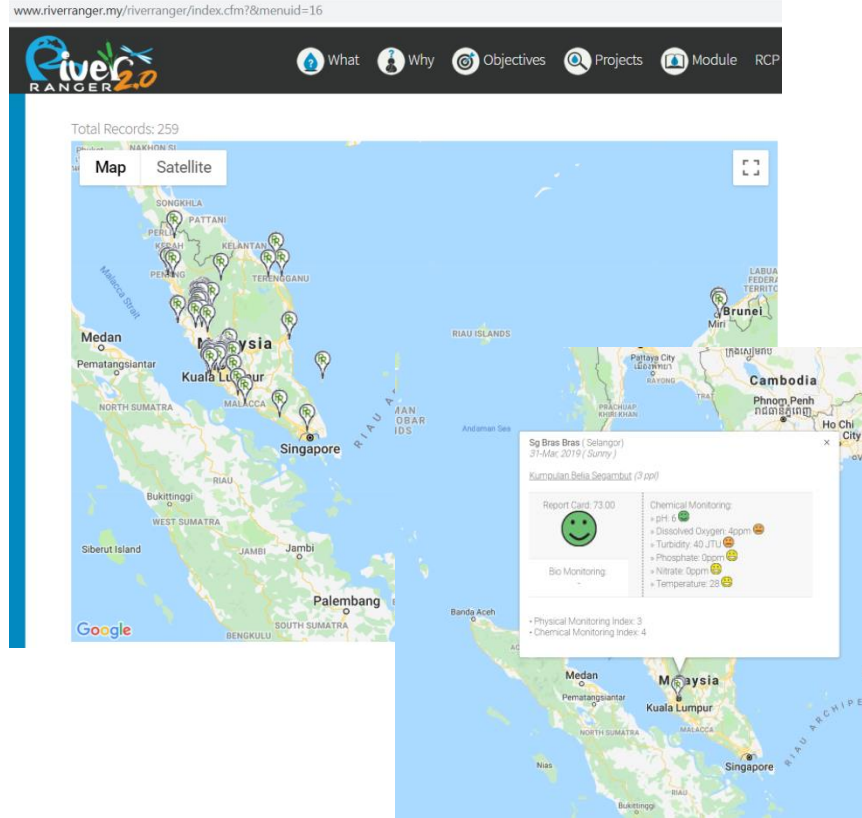
Taman Rimba Kiara, Penchala Basin

AFTER



Years of achievements

RIVER MONITORING



RIVER ADOPTION

SMK Seri Aman Johor



COMMUNITY GARDEN

Rumah Pangsa AU2 Taman Keramat



DRAINAGE CLEAN UP/MARKING



POLLUTION MANAGEMENT



ZERO WASTE



Kampung Teluk Dalam,
Pangkor Island



SJKT Taman Melawati,
Ampang

WASTE TO WEALTH

- Business Model
- Green Eco Park (using tires and other recyclables)



POTABLE WATER SUPPLY

Kampung Orang Asli Sungai Choh, Hulu Kinta

BEFORE



AFTER



5/17/2019

20 years of achievements

RAINWATER HARVESTING

SK Gombak Setia



FLOOD: COMMUNITY TOWN WATCHING MAP

RIVER Ranger Sg Udang, Klang



COMMUNITY CHAMPIONS



POLLUTION MAPPING	RIVER HEALTH ASSESSMENT
POLLUTION MONITORING	WATER QUALITY TESTING

CONSERVE WATER

Place a bottle of sand / gravel or a brick in the water tank behind the toilet bowl to reduce the amount of water to fill up the tank.
Use and spend less time in the shower.

EASILY ACCESSIBLE GRAB BAG & 72H KITS WHEN FLOOD HAPPENS

RAINWATER HARVESTING

Rainwater is a valuable resource which can be used for many purposes (watering plants, washing floors and flushing toilets).

REDUCE WATER FOOTPRINT

Meat production requires a higher amount of water than vegetables. (1kg meat = 5,000-20,000ℓ water, 1kg wheat = 500-4,000ℓ water)

RCP'S OVERALL SUSTAINABLE LIVING

20 years of achievements

PLASTIC

GLASS

ALUMINIUM

PAPER

COMPOST

SMART Ranger Managing All Resources Today	COMMUNITY RECYCLING	WASTE PREVENTION & MINIMIZATION PLAN	GREEN & WASTE AUDIT	UPCYCLING AND CLOSE THE LOOP
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RCP TOWARDS 2030

Regional and international exchange and collaboration

Working closely but independently with government agencies

Close partnership with fellow project implementers

Explore new focus areas

Promote connectivity with other sectors (environment vs social/health/economy)

Sustainable National River Care Fund

Friends of Rivers network

River Centre for Malaysia

healthier environment; better economy; more cohesive society

THANK YOU

together we achieve more



Follow us on Instagram, Twitter and Facebook & hashtag away!

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#rivercarewecare #globalenvironmentcentre #riverranger #smartranger #drh2o

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