



RESULTS OF THE SCENT PILOT CAMPAIGNS IN THE KIFISOS RIVER BASIN, ATTICA, GREECE

M. Miska, I. Theona, A. Chaldrakis, H. Georgiou
Region of Attica, Hellenic Rescue Team Attica (HRTA)

SCENT SHOWCASE

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ATHENS, GREECE

<https://scent-project.eu/>

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INTRODUCTION

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The Kifisos river basin is roughly 380 km², and almost 60% of its watershed is urbanised as the metropolitan area of Athens. As the city has expanded, the land-cover of the area has transitioned from rural to urban, and industrial in some areas.

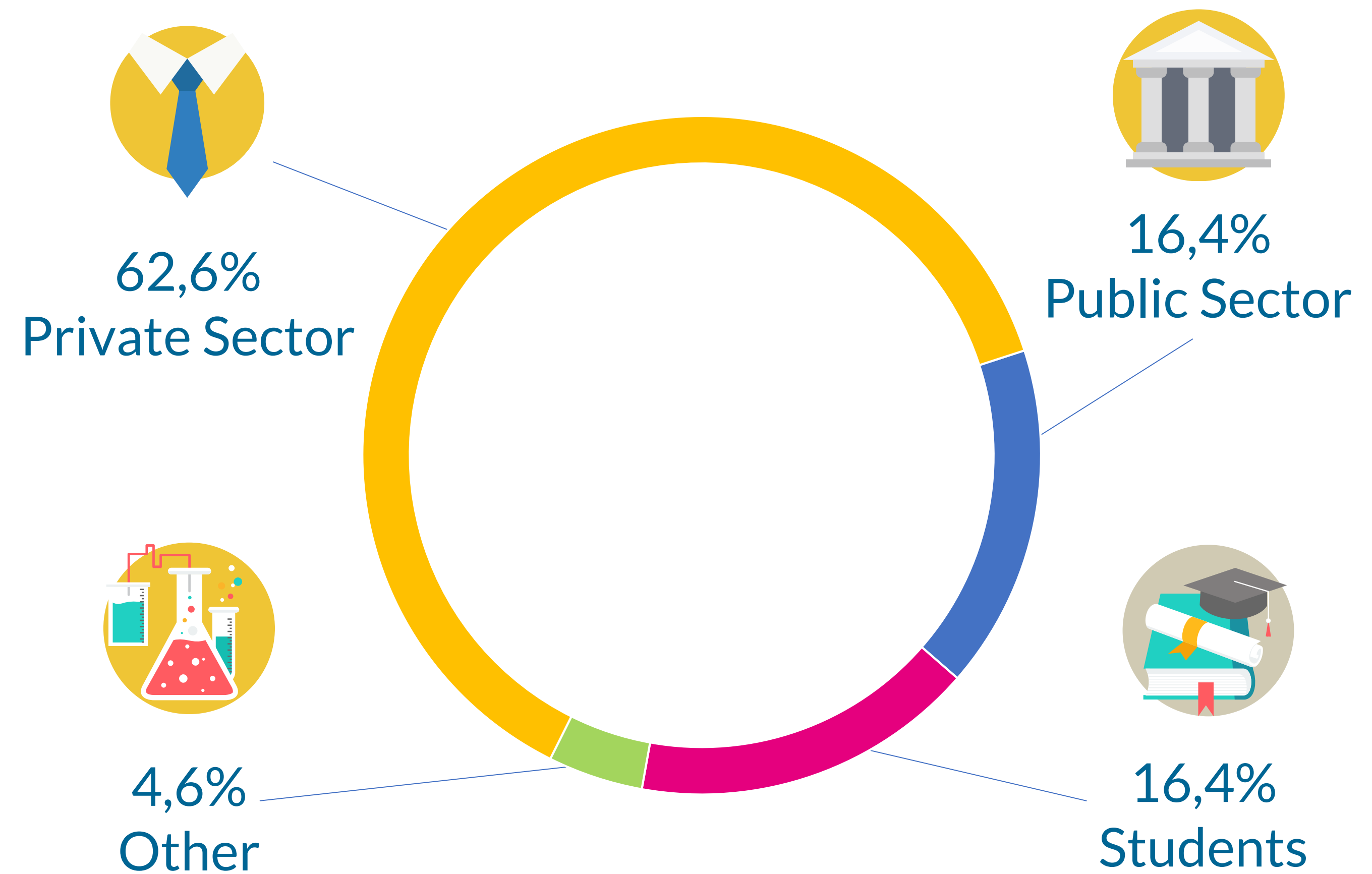
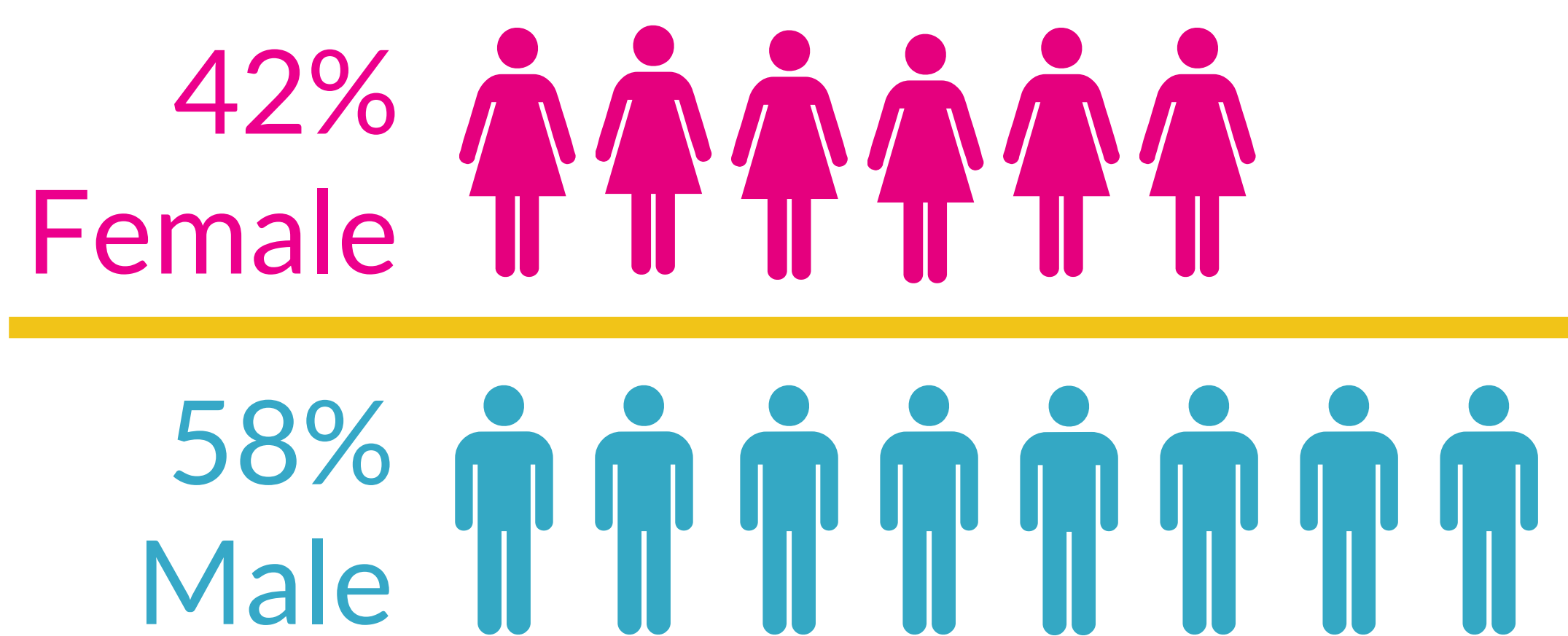
The hydrologic network of the basin has been heavily engineered to support expanding constructions. But, in many cases, the hydraulic works were poorly designed. There are many areas where there are illegal constructions, even within the main river course. As a result, during periods of heavy and rapid rain events, the river floods due to the insufficiency of drainage networks, causing severe damage to

infrastructure around the river. Scent has organised pilot campaigns in areas of the river basin characterised by rapid changes in the river water level caused by natural and anthropogenic factors. With the Scent Toolbox, citizen scientists have gathered important information about river parameters, such as water level and surface flow velocity, as well as images of land-cover/land-use. This allows for increased awareness of the status of the river environment. The volunteers have also collected soil moisture and temperature measurements, both before and after heavy rain events. This can help hydrologists better understand the river dynamics and provide counsel to policymakers.

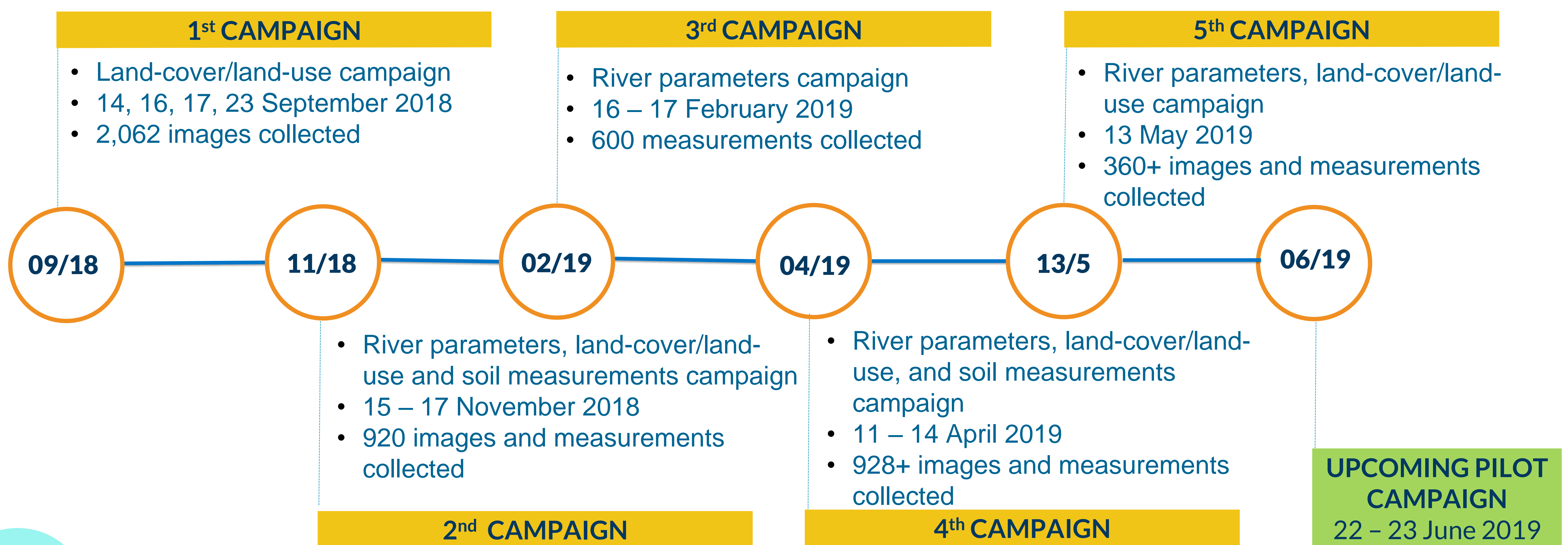
SCENT CITIZEN SCIENTISTS

Total Participants: 463

Unique Participants: 303



SCENT CAMPAIGNS



4,870+ pieces of data collected, including: land-cover/land-use images; river measures such as water level and surface flow velocity; and soil measurements such as soil moisture and air temperature

PROJECT PARTNERS



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