



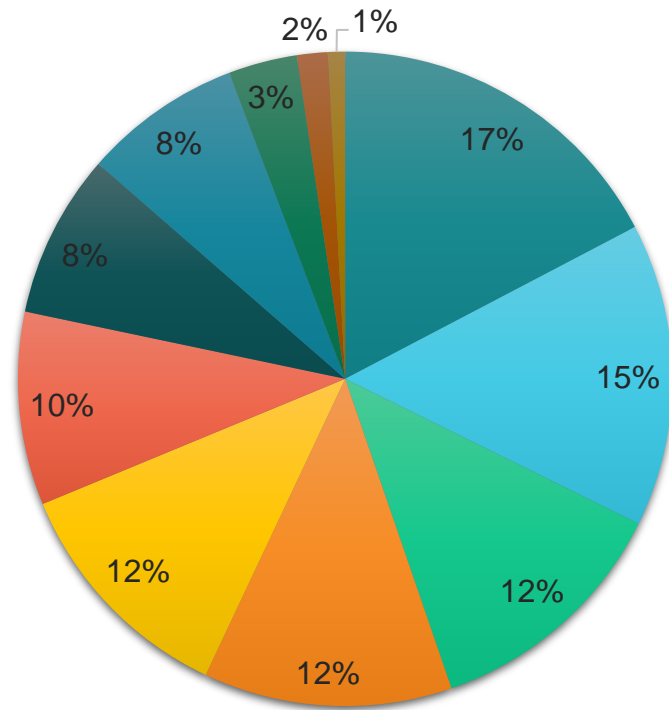
Covenant of Mayors Assessment Report 2021

Paolo Bertoldi, Joint Research Centre

Adaptation Pillar in MyCovenant

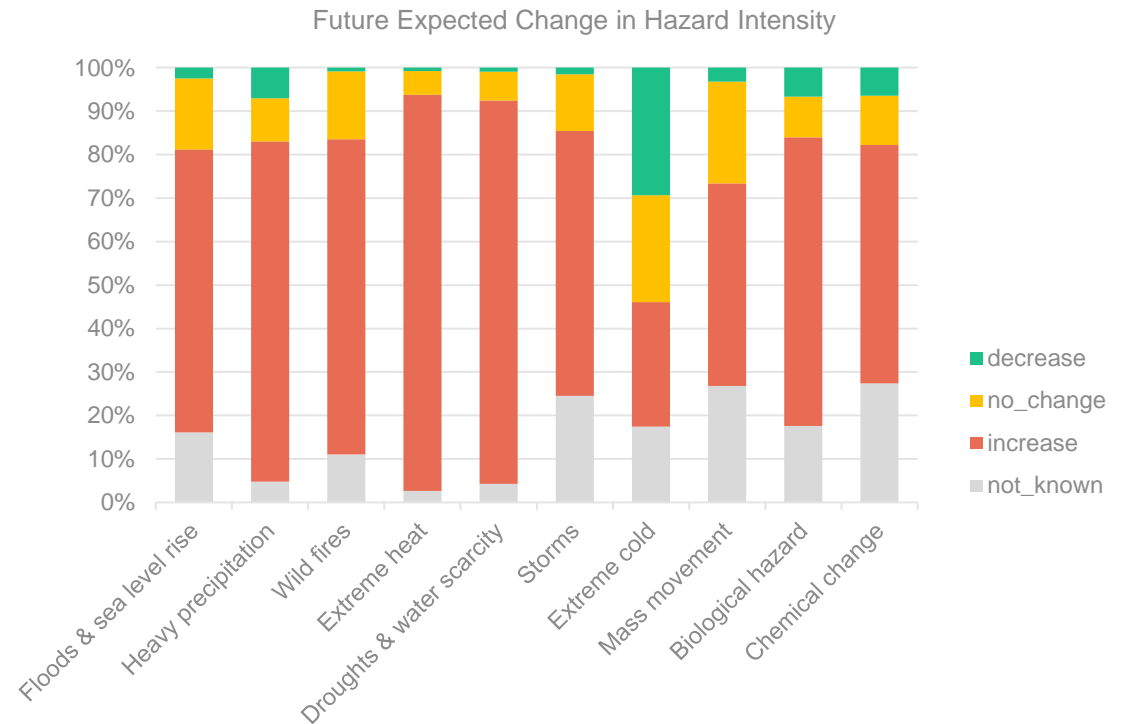
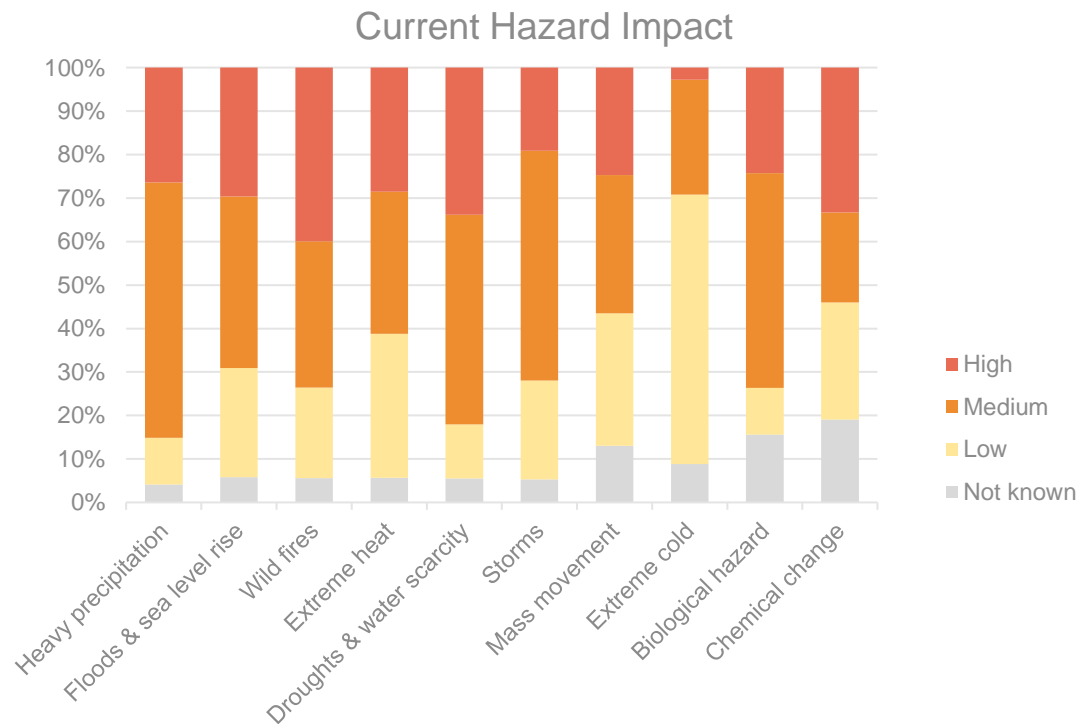
- **3,942** signatories committed to adaptation (**37%** of CoM signatories)
 - 2,7% committed to adaptation only (Mayors Adapt), 98,3% committed to adaptation with the 2030 commitment
 - 3,515 expected action plans (81 coming from groups covering multiple signatories)
- **956** submitted adaptation action plans (**27%** of expected plans)
 - 852 (89%) action plans include a “Risk & Vulnerability Assessment”
 - 427 (45%) action plans include “Adaptation Goals”
 - 484 (51%) action plans include “Adaptation Actions”

RVA: Most reported Hazards



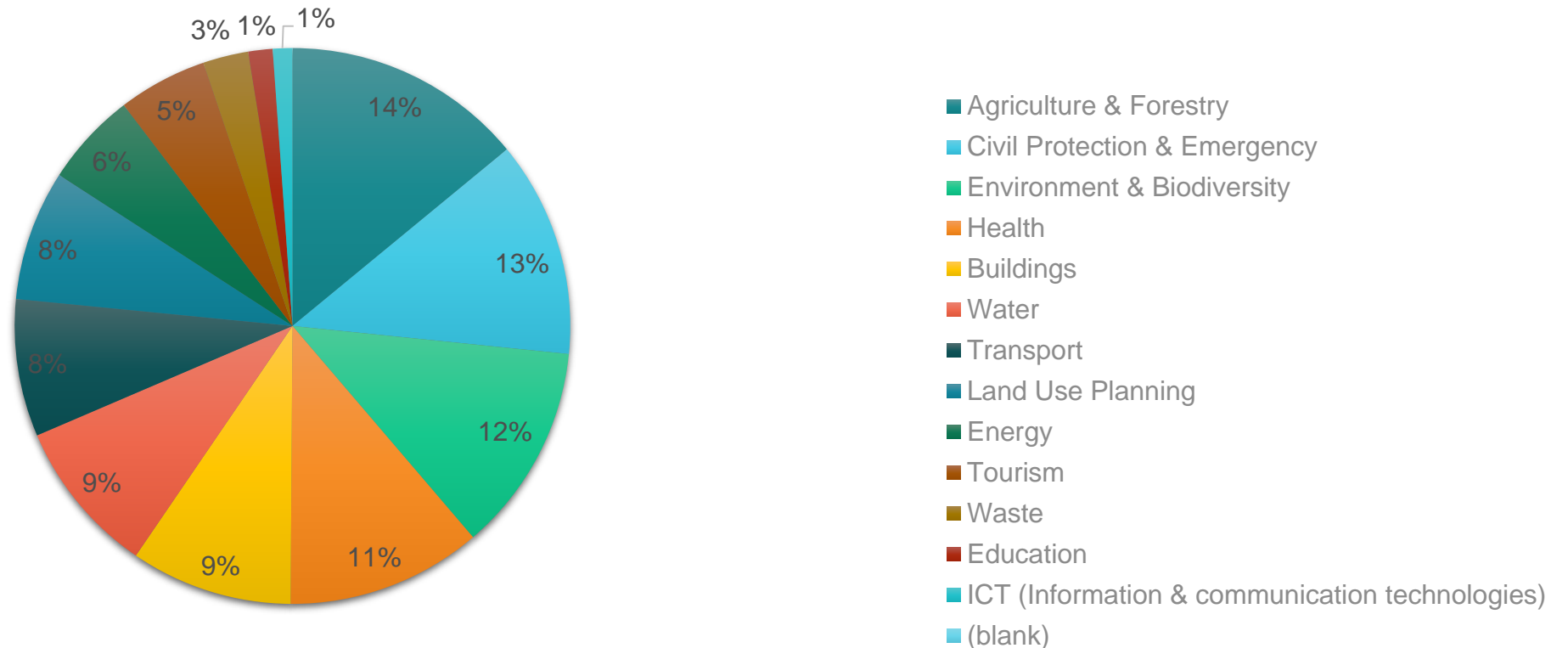
- Most reported Climate Hazards are:
 - “Floods & Sea level rise” (17%), “Heavy precipitation” (15%), “Wild fires” (12%), “Extreme heat” (12%) and “Droughts & Water scarcity” (12%)

RVA: Most reported Hazards



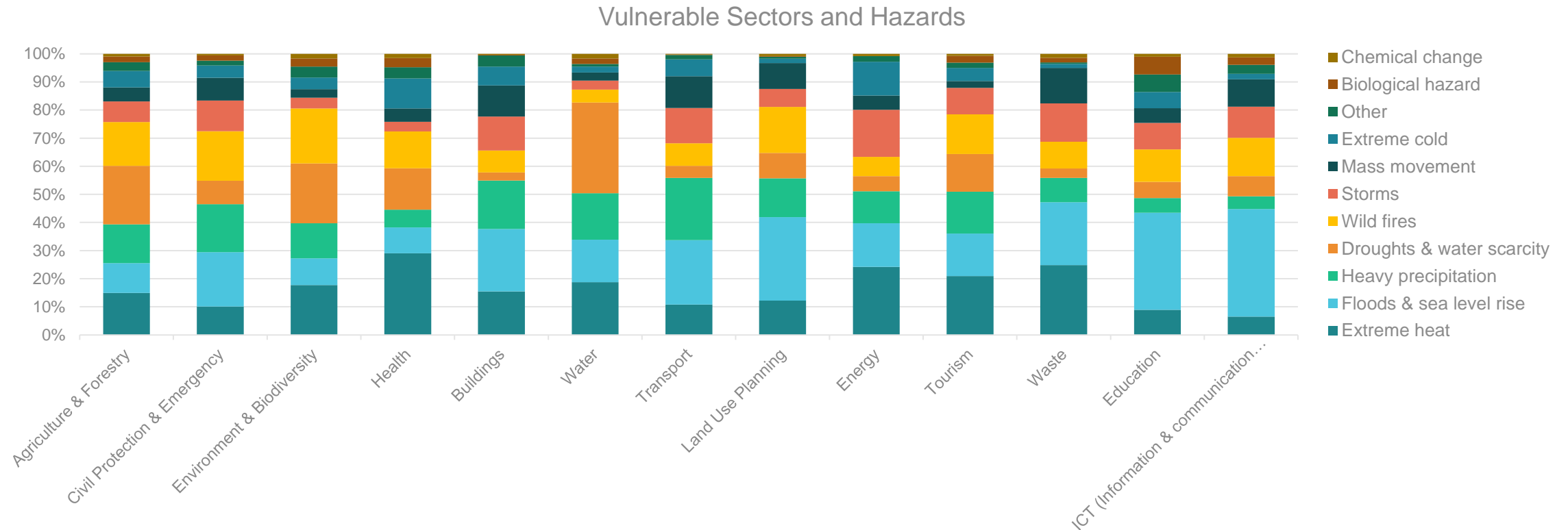
- “Extreme cold” is reported with the current lowest impact, and is expected not to change or to decrease in intensity
- All the other climate hazards are showing predominantly **high/medium impact** and with expected **increase in intensity**

RVA: Most reported vulnerable Sectors



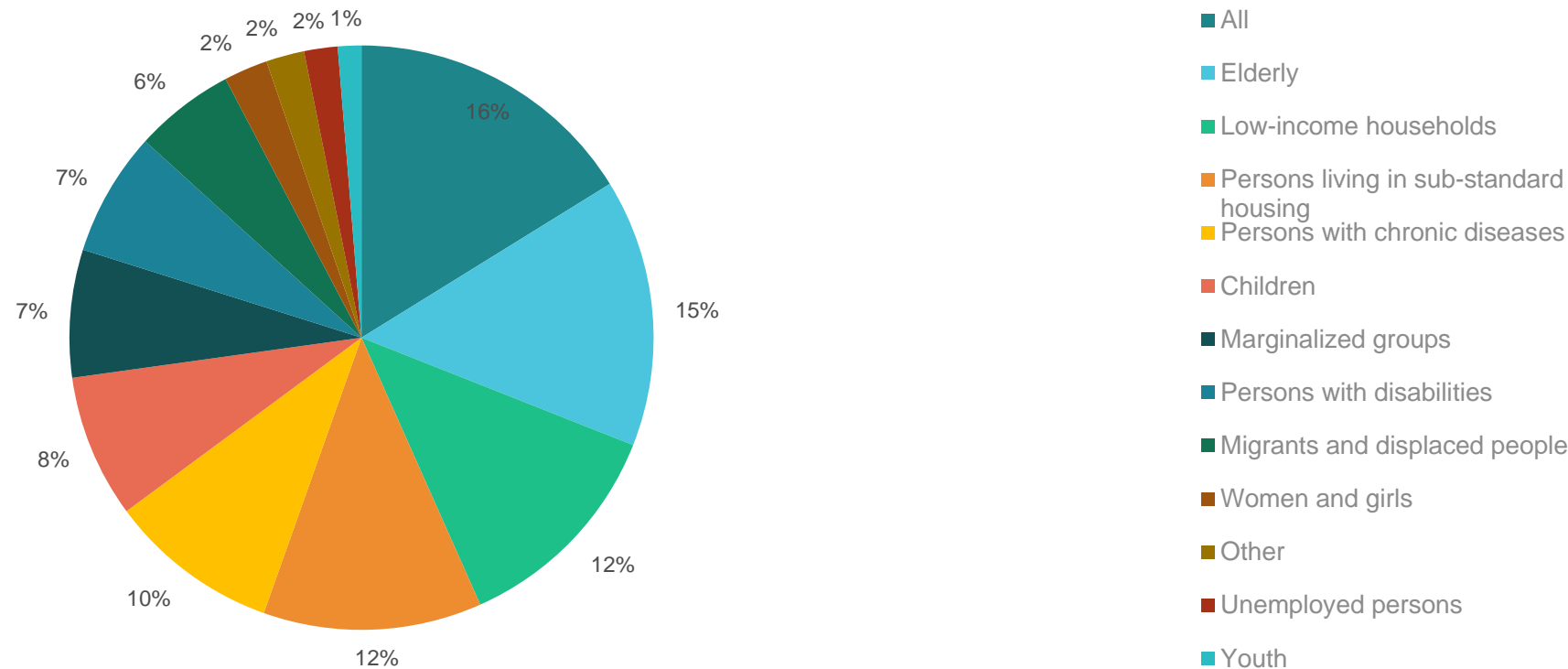
- Most reported vulnerable sectors are:
 - Agriculture & Forestry (14%), Civil protection & Emergency (13%), Environment & Biodiversity (12%)

RVA: Sectors vulnerable to Hazards



- Agriculture & Forestry is reported as most vulnerable to “Droughts & Water scarcity”
- Civil protection & Emergency is reported as most vulnerable to “Floods & Sea level rise”
- Environment & Biodiversity is reported as most vulnerable to “Droughts & Water scarcity”

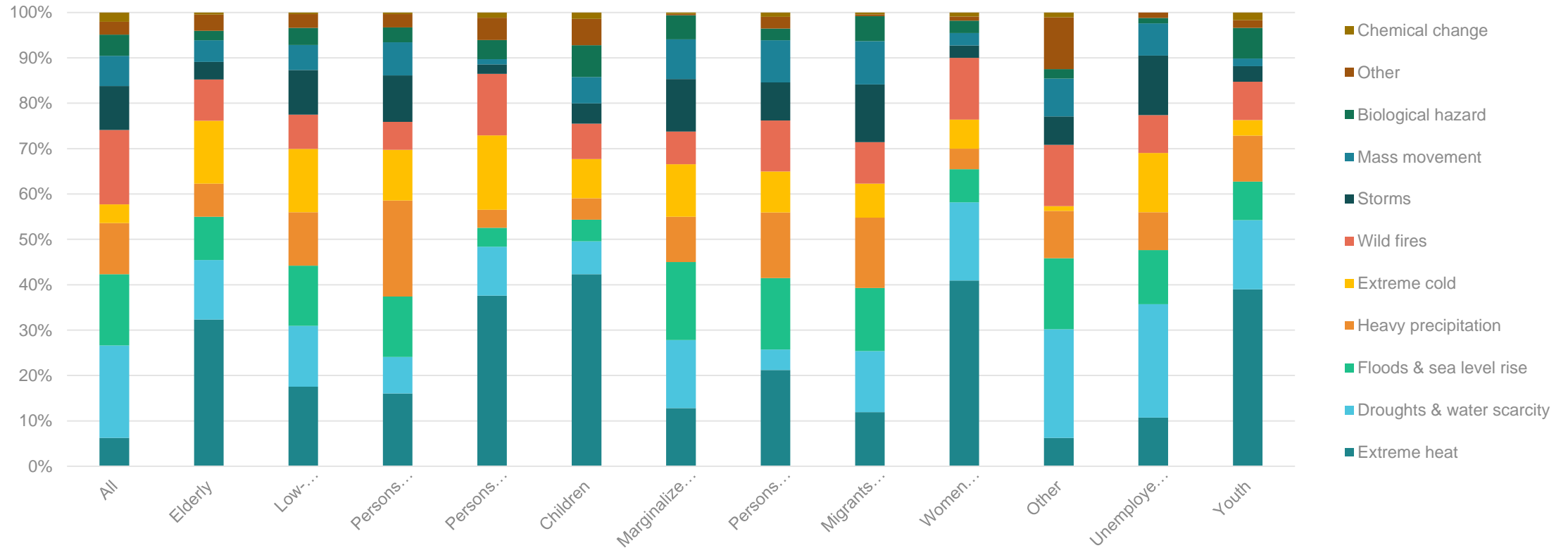
RVA: Most reported Vulnerable Population Groups



- Most reported vulnerable population groups:

- All (16%), Elderly (15%), Low-income households (12%), Persons living in sub-standard housing (12%)

RVA4: Vulnerable Population Groups

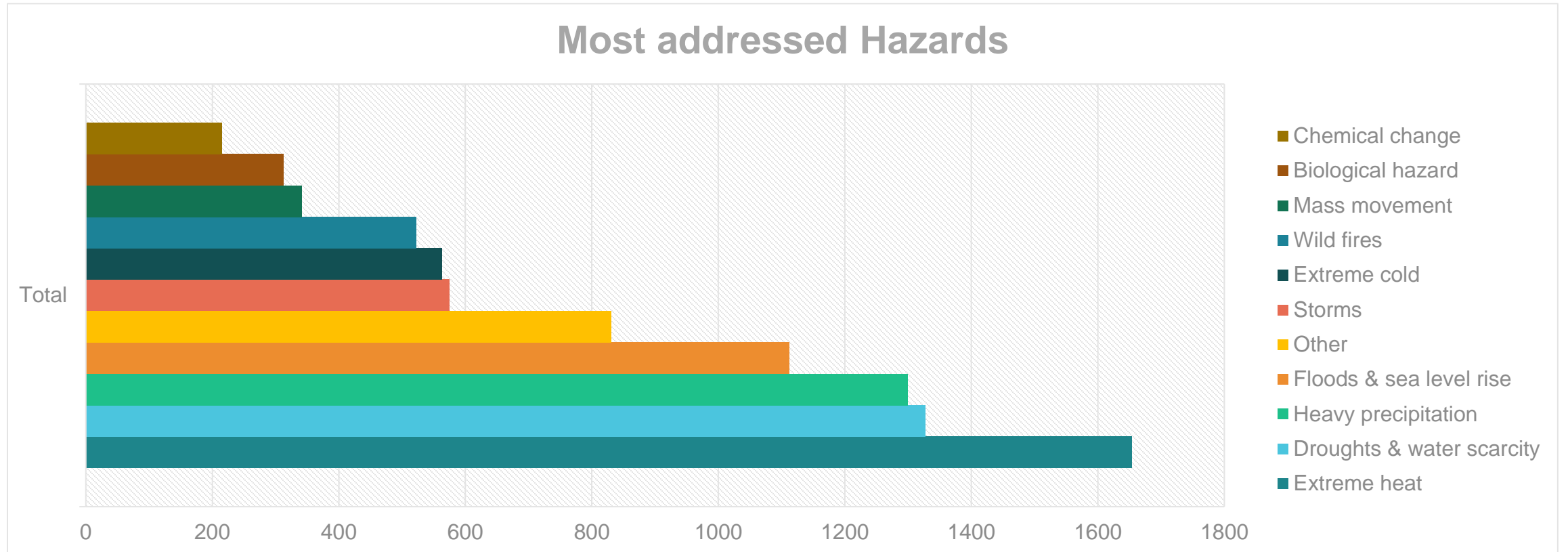


- Elderly are reported as most vulnerable to “Extreme heat”
- Low-income households are reported as most vulnerable to “Extreme heat” and “Extreme cold”
- Persons living in sub-standard housing are reported as most vulnerable to “Heavy precipitation”

Adaptation Actions

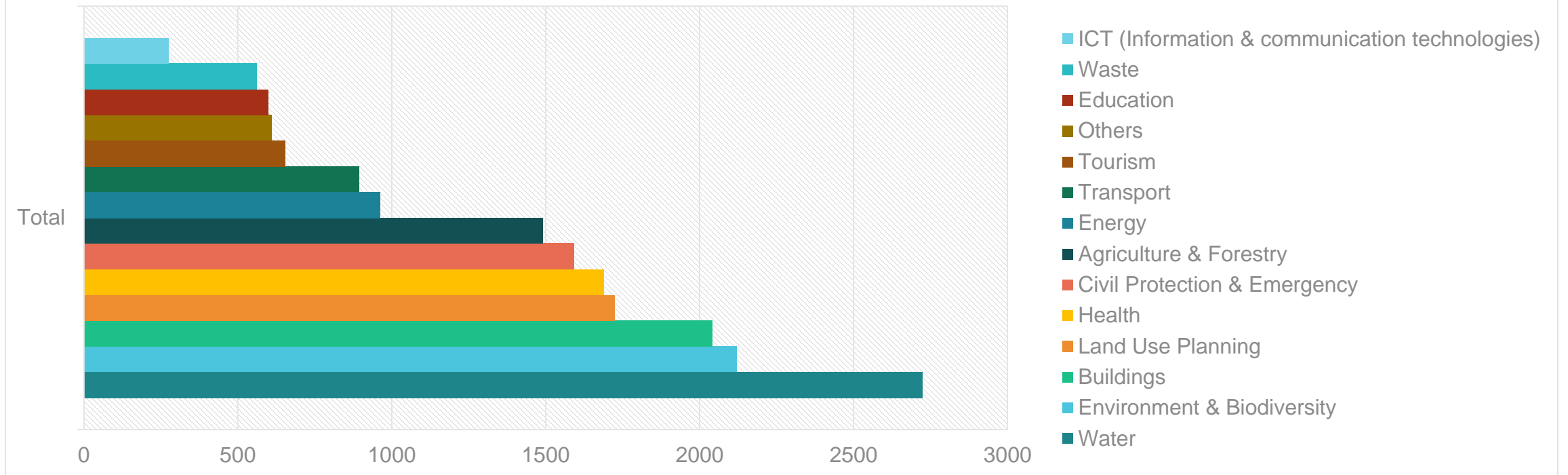
- More than **10,000** detailed adaptation actions reported (from 854 action plans)
 - **16%** are reported as “mitigation + adaptation” actions
- Adaptation actions reported:
 - Most addressed hazards are: “Extreme heat”, “Droughts & Water scarcity”, “Heavy precipitation”
 - Most targeted sectors are: “Water”, “Environment & Biodiversity”, “Buildings”
 - Most targeted population groups are: “All”, “Children”, “Elderly”
- **530** monitoring reports with information on adaptation
 - **5,535** (51%) adaptation actions reported as completed or ongoing

Adaptation Actions



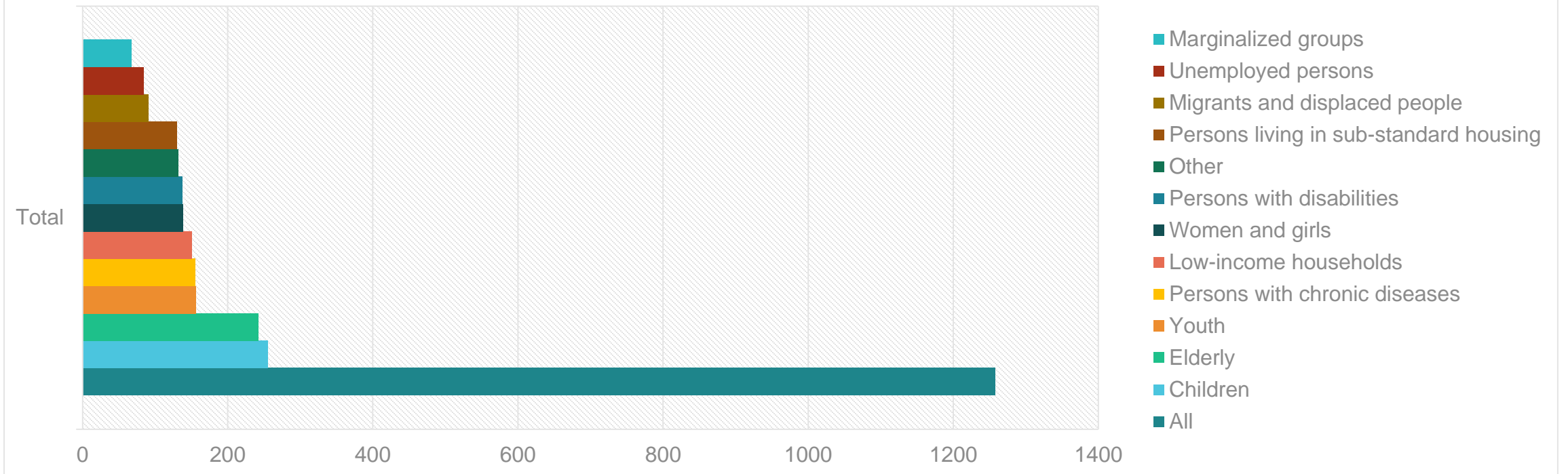
Adaptation Actions

Most targeted Vulnerable Sectors



Adaptation Actions/Policies

Most targeted vulnerable population groups



Thank you



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