

# Environmental monitoring across EU Member States

The GRG initiated a collection & assessment of public monitoring data for water (groundwater, surface water, drinking water), soil, sediment and air



The GRG sponsored 2 new applicant studies designed to be a comprehensive overview at EU level, covering various spatial extents & temporal scales



Safe use demonstrated in the environment in Europe following use of Glyphosate products according to the label;  
**No risk posed to ecosystems or to human health via drinking water;**  
Where local issues are detected: targeted elucidation & stewardship measures



Public monitoring data demonstrate compliance with the regulatory framework (Regulation 1107/2009/EC, Water Framework Directive, Groundwater Directive, Priority Substances Directive, Drinking Water Directive)



There is **no risk** posed to human health via drinking water 



# Environmental monitoring – Results

- *Rates of compliance* with key RACs and thresholds for both GLY and AMPA are high
- Exploration of exceedances: mostly sporadic and non-systematic both spatially and temporally, likely false positives
- For GW <0.1% of exceedances are consecutive

| Compartment        | Dataset Size     | GLY                        |                   | AMPA                                      |                   |
|--------------------|------------------|----------------------------|-------------------|---|-------------------|
|                    |                  | RAC <sup>1</sup><br>(µg/L) | Compliance<br>(%) | RAC <sup>2</sup> /<br>Threshold<br>(µg/L) | Compliance<br>(%) |
| Soil               | Small            | 94.6 mg/kg                 | 100               | 26.4 mg/kg                                | 100               |
| Groundwater        | Very Large       | 0.1                        | 99.38             | 10.0 <sup>2</sup>                         | 99.998            |
| Surface Water      | Very Large       | 400                        | 99.994            | 1200                                      | 99.999            |
| Transitional Water | Very Small       | 400                        | 100               | 1200                                      | 100               |
| Drinking Water     | Large/Very Large | 0.1                        | 99.84             | 0.1 <sup>3</sup><br>10.0 <sup>2</sup>     | 99.78<br>100      |
| Sediment           | Small/Medium     | NA                         | -                 | NA  | -                 |
| Air                | Very Small       | NA                         | -                 | NA  | -                 |

NA - Not applicable

<sup>1</sup> - Regulatory acceptable concentration

<sup>2</sup> - RAC for non-relevant metabolite

<sup>3</sup> - Threshold value chosen to allow statistical comparisons only

