



BETTER DATA FOR CLEAN AIR

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HAQAST6 Meeting

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THE SILENT EMERGENCY



93%

of children are exposed to levels of **air pollution** which are **unsafe**

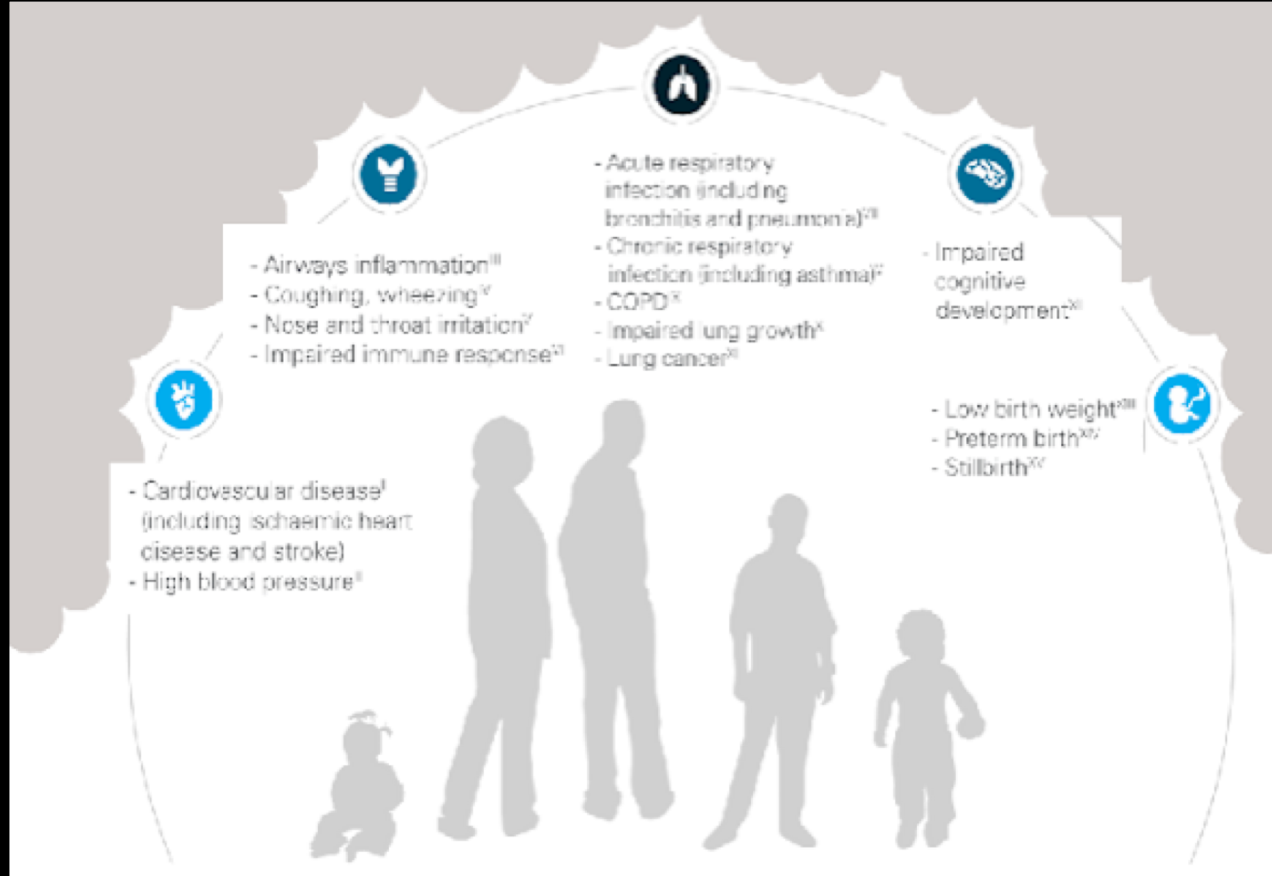
300mill

Children live in areas where the air is **toxic** – exceeding international limits by at least **six times**

>500,000

of children under 5 years old **died** from air pollution related causes in 2016, and millions more suffer from respiratory diseases that affect their development

WE KNOW THE IMPACT TO HEALTH AND WELLBEING IS BAD...

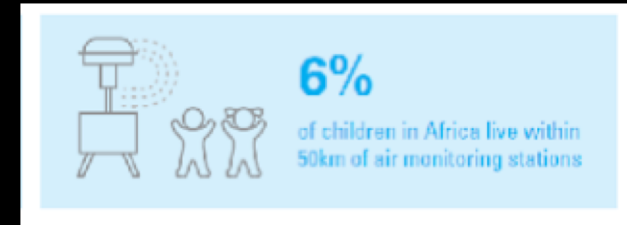


Children are uniquely vulnerable to air pollution – due both to their physiology, and to the type and degree of their exposure.

...BUT ARE WE UNDERESTIMATING HOW BAD?

We do not know the actual health impact of air pollution in all places. This is due to:

- A lack of ground level air quality monitoring coverage and
- A lack of quality data in child population exposure linked to air pollution related health effects.

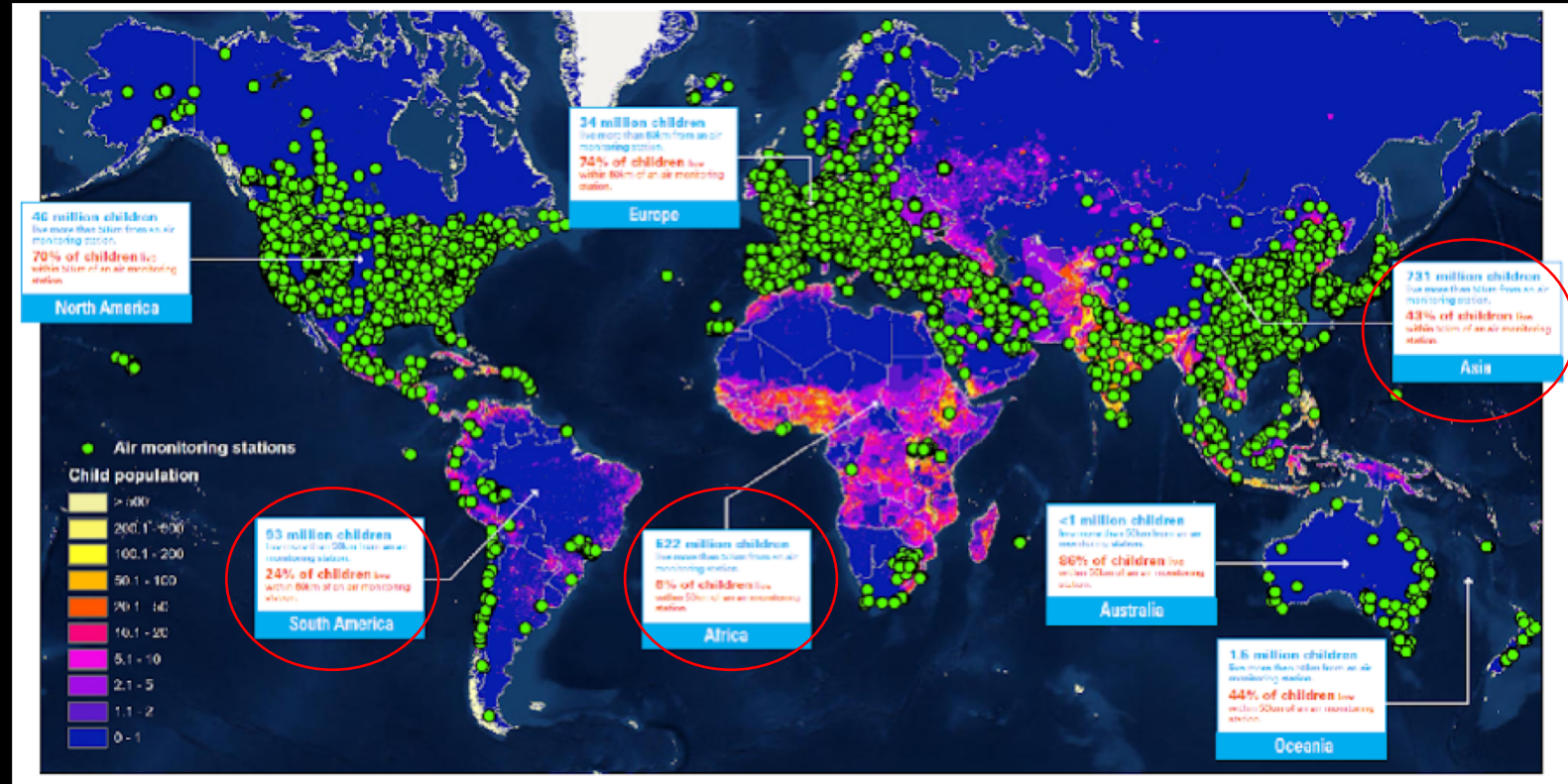


UNICEF is exploring the feasibility of:

- Establishing a model to conduct ground level air quality monitoring at UNICEF premises,
- At locations where there are none
- To compliment satellite data and support low cost sensor network establishment, and
- To inform appropriate paths for effective programme

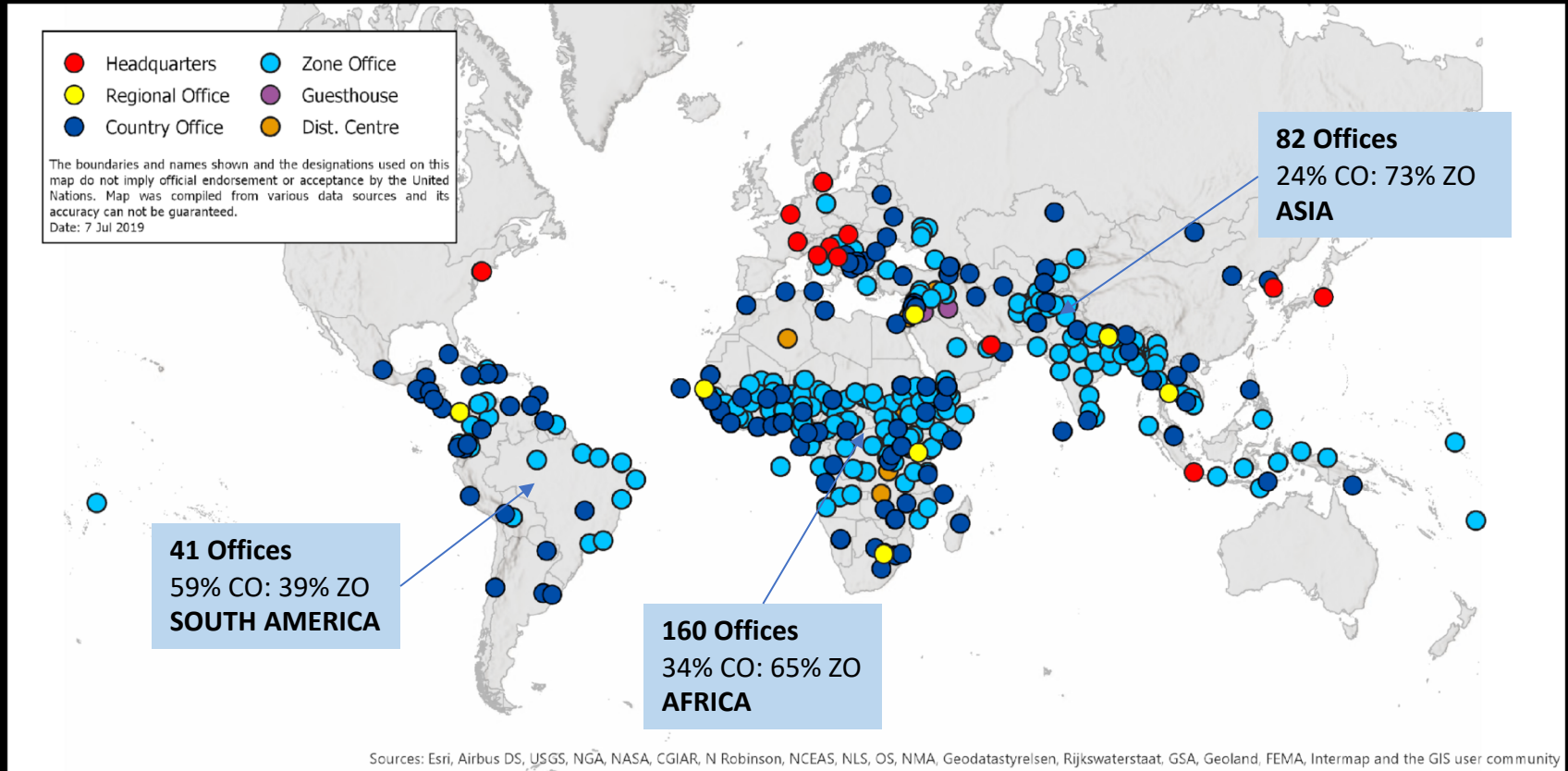


CHILD POPULATION & GROUND LEVEL MONITORS



94% OF CHILDREN THAT LIVE >50KM FROM GROUND LEVEL MONITORS LIVE IN ASIA, AFRICA, AND SOUTH AMERICA

UNICEF OFFICES IN THESE LOCATIONS



CO: COUNTRY OFFICE

ZO: ZONE OFFICE

UNICEF POTENTIAL VALUE ADD TO THIS SECTOR

- ❑ Large local trusted presence across the globe (190+ countries) & Large network of offices (and supported Child Centric Facilities) in locations where ground level measurements are lacking
- ❑ Leadership role in monitoring programmes ([Joint Monitoring Programme](#))
- ❑ Experience in large-scale geospatial platforms (HCFs, [Schools](#), DRR, Climate change)
- ❑ Part of established global coalitions related to child respiratory health (e.g. EBC)
- ❑ Research conducted on air pollution: [Clear the Air for Children](#) (2016), [Danger in the Air](#) (2017), [Silent Suffocation in Africa](#) (2019), [Mongolia's Air Pollution Crisis](#) (2018).
- ❑ Advocacy and multi-sectoral action to address air pollution (Indonesia, India, Mongolia, UK)
- ❑ Ability to collaborate with partners and leverage global resources and technology

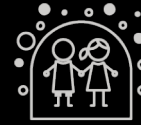
UNICEF EXPLORING PARTNERSHIPS FOR COLLABORATION IN ORDER TO...



- Reduce air pollution



- Improve children's health so that when they are exposed, they are more resilient



- Prevent children's exposure to air pollution



- Increase ground level air quality monitoring

THANK YOU

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unicef  | for every child

