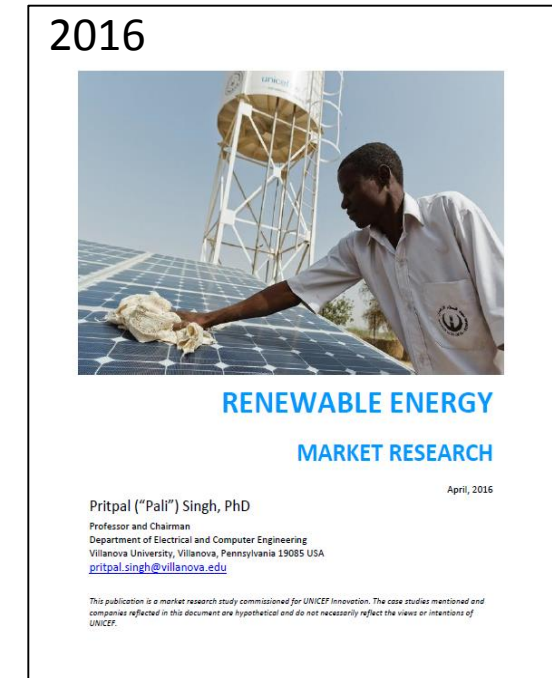
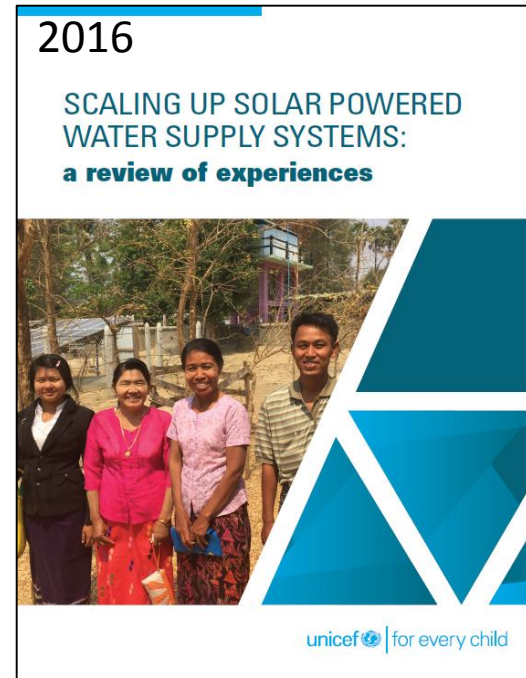
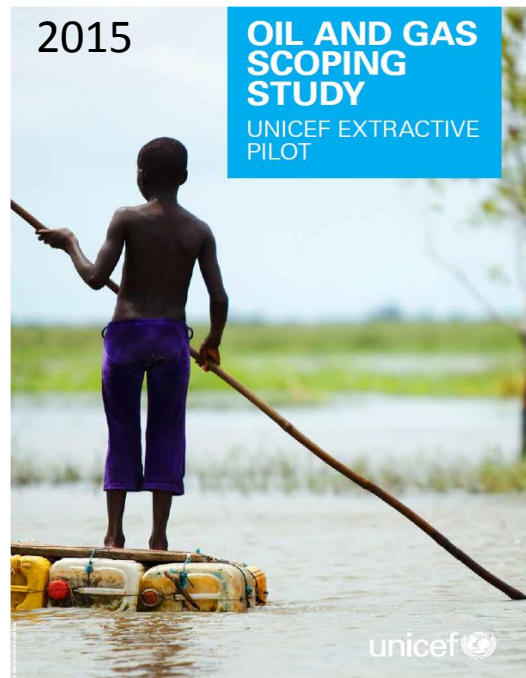
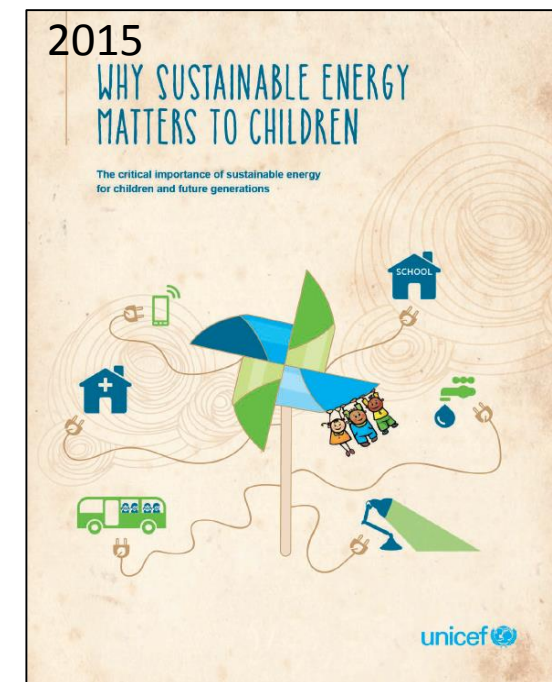




The Importance of Sustainable Energy for Children in the Islamic Republic of Iran

unicef  | for every child

Some UNICEF recent resources



Outline of presentation

- Children and the energy sector
- Children's access to sustainable energy
- Child-focused considerations for Iran's energy sector



Children and the energy sector

Energy can define a child's access to health, clean air, education, safety, and water

In homes, children need reliable access to modern lighting to do homework after dark and need heating and cooling to stay comfortable

Health centers and schools require energy for lighting, cooking, heating, cooling and ICT

Children, including those living with disabilities, need safe, clean and affordable transportation to school

Street lighting is important for children's safety, especially girls

Reliable and affordable energy is a vital for clean water and sanitation

But energy must be clean, safe and sustainable

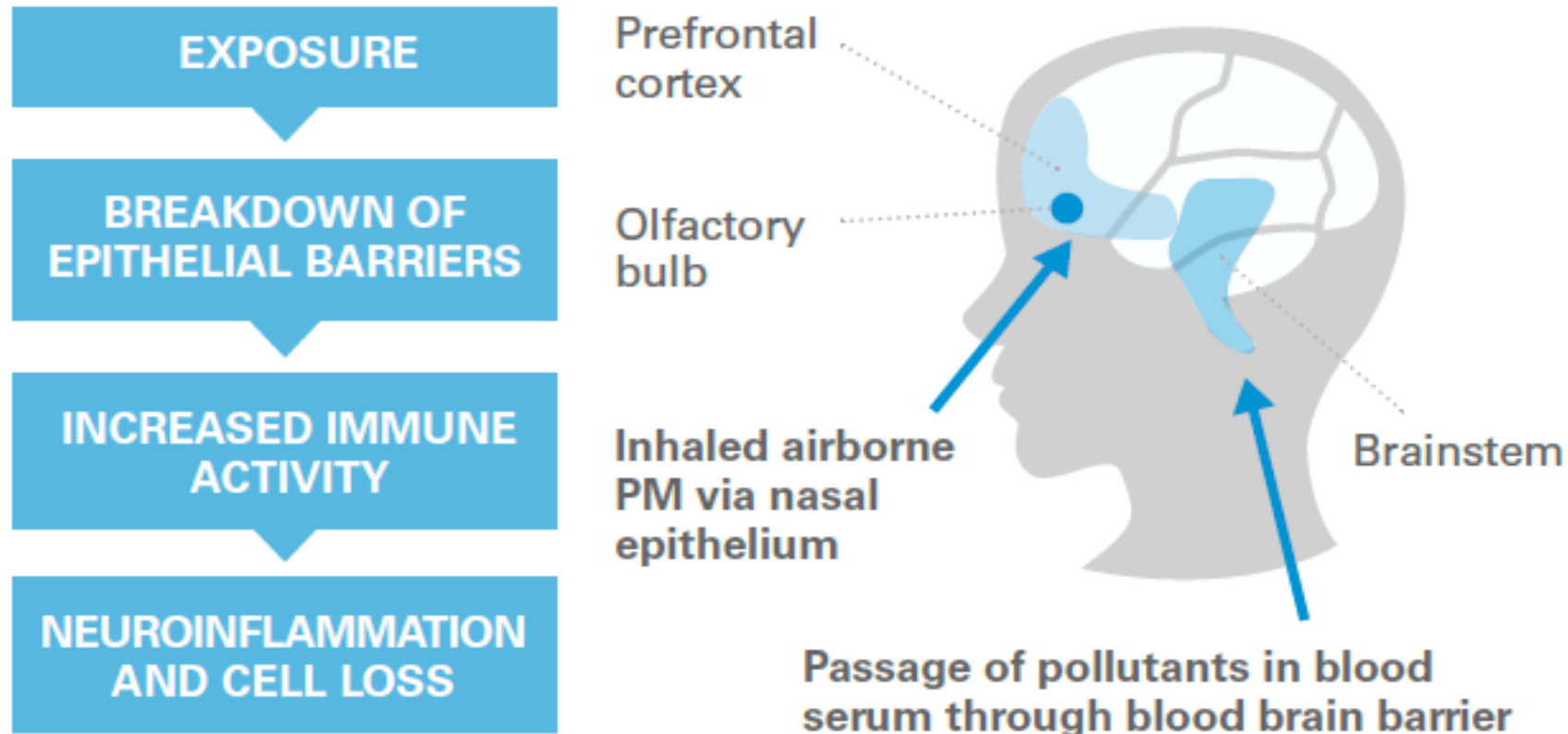


Urban environments

Consumption and production

Harmful pollutants

Air pollution and brain development



Source: Adapted from Brockmeyer, S., D'Anguilli, A. 'How air pollution alters brain development: the role of neuroinflammation' *Translational Neuroscience*. 2016; 7(1): 24–30. Figure 1.

Renewable energy generation



- Solar Cookers
- Biogas Technologies
- Solar Greenhouses
- LED Lights
- Solar Electric Systems
- Wind Energy Technologies
- Small Scale Hydroelectric Technologies
- Biomass Electricity Generation
- Thermoelectric Generators
- Community-Based Micro-Grids
- Others...



Children's access
to sustainable energy

Barriers preventing children's access to sustainable energy

Barriers to inclusive decision-making

Social barriers and limited awareness

Lack of financing for cleaner energy

Legal and policy barriers

Institutional barriers

Lack of disaggregated data



PUBLIC AWARENESS CAMPAIGNS



on the importance of sustainable energy for children and the available options would galvanise broader public support and demand.



decision makers should have a solid

UNDERSTANDING OF CHILDREN'S ENERGY NEEDS and the **ability and willingness** to **accommodate these** in decision making processes.

SUSTAINABLE ENERGY

should be **an integral part of school life**, national curricula and university programs.



OPPORTUNITIES FOR CHILDREN should be created

we need light

we need clean air

to voice their views

both in policy and technical discussions.



At the institutional level, systems to collect, process and publicize



DATA RELEVANT TO ENERGY & CHILDREN

should be strengthened, and global knowledge platforms on sustainable energy should pay special attention to children.

Child-focused considerations for Iran's energy sector

Barriers to inclusive decision-making

Raise awareness of children's distinct energy needs, but also opportunities, knowledge and skills, and advocate for their inclusion in decision-making processes at all levels

Social barriers and limited awareness

Integrate sustainable energy in school life, national curricula and university programs

Launch public awareness campaigns on the importance of sustainable energy for children, and the available options

Lack of financing for cleaner energy

Leverage private sector finance and create enabling environments that attract private investments in sustainable energy

Legal and policy barriers

Undertake research on energy subsidies and subsidy reforms, and phase out inefficient fossil fuel subsidies, without compromising energy access of the poor

Undertake research on Intellectual Property Rights and their effects on technology transfer, and support the local production and sales of Environment Sound Technologies

Institutional barriers

Strengthen local institutions and public systems relevant to the energy sector

Put in place a national knowledge platform on energy and children, and build partnerships and networks with stakeholders that are active in this field of work

Lack of disaggregated data

Strengthen institutional systems to collect, process and publicize data relevant to energy and children

The Importance of Sustainable Energy for Children in the Islamic Republic of Iran

Thank you

