



OHS Requirements in World Bank Financed Projects

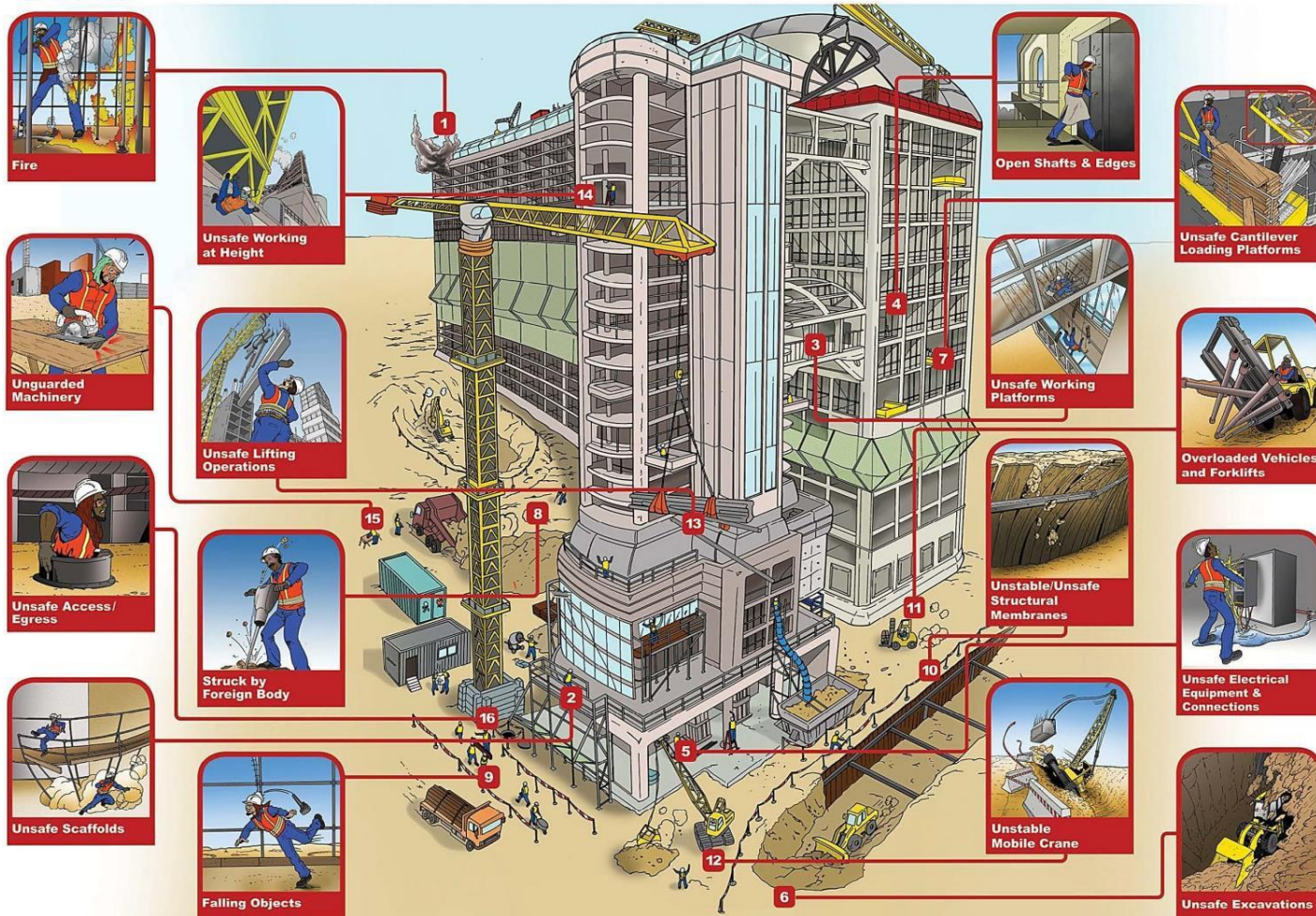
*Maged Hamed, Ph.D., P.E.
Lead Environmental Specialist
The World Bank, Washington, DC*

Hazards in Construction Sites

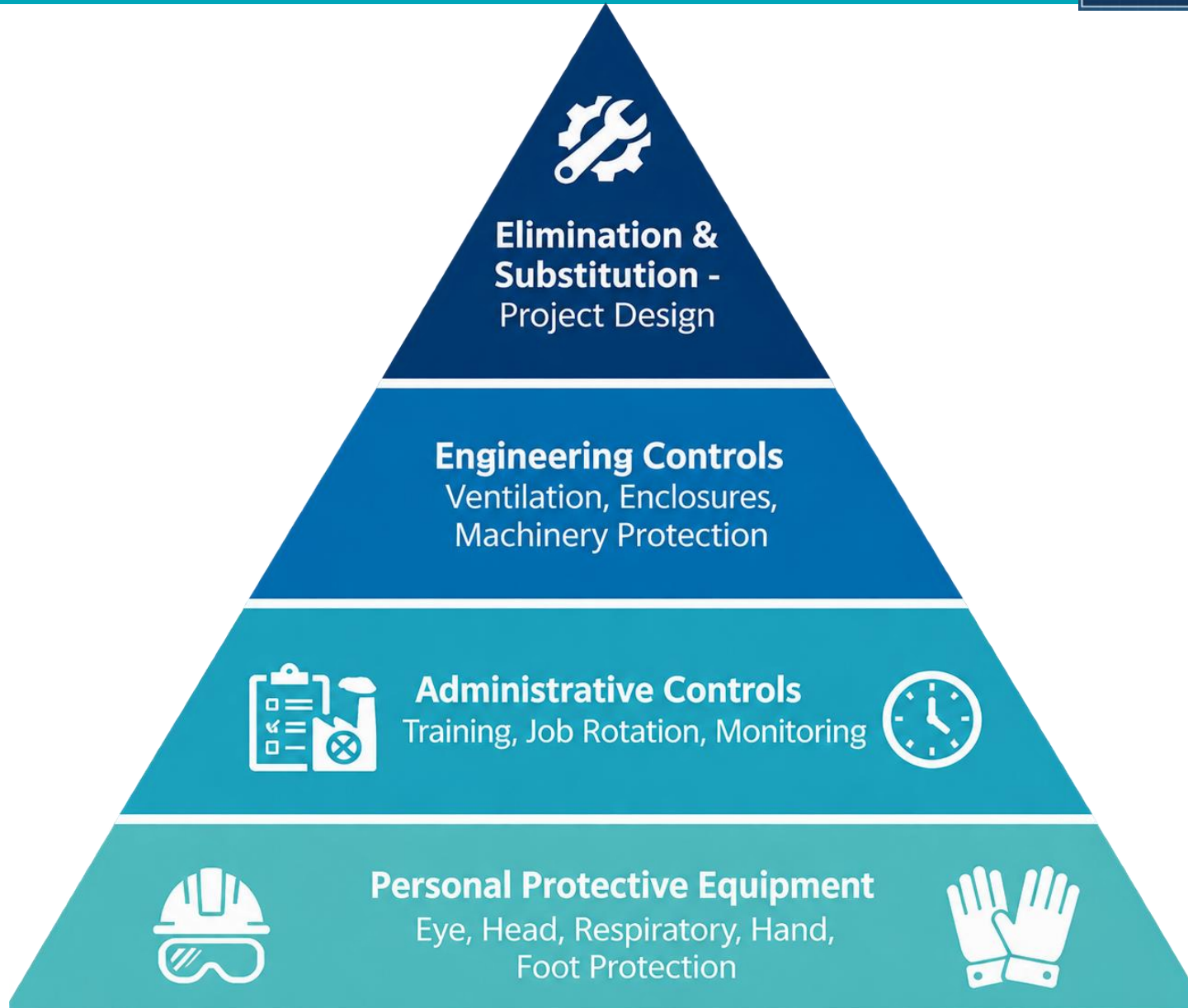


TOP 16 HAZARDS IN CONSTRUCTION SITES

DEPARTMENT OF MUNICIPAL AFFAIRS
بلدية أبوظبي
بلدية العين
بلدية الجوايز
بلدية الخويبة
بلدية القويسنة
بلدية القويسنة الغربية
بلدية القويسنة الشرقية
بلدية القويسنة الوسطى
بلدية القويسنة الشمالية
بلدية القويسنة الجنوبية
بلدية القويسنة الغربية
بلدية القويسنة الشرقية
بلدية القويسنة الوسطى
بلدية القويسنة الشمالية
بلدية القويسنة الجنوبية



OHS Mitigation Hierarchy



Ten Env. and Soc. Standards



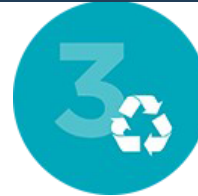
ESS1

**Assessment and
Management of
Environmental and Social
Risks and Impacts**



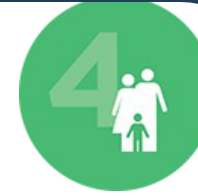
ESS2

**Labor and
Working
Conditions**



ESS3

**Resource
Efficiency and
Pollution
Prevention and
Management**



ESS4

**Community
Health and
Safety**



ESS5

**Land Acquisition,
Restrictions on Land Use
and Involuntary
Resettlement**



ESS6

**Biodiversity Conservation
and Sustainable
Management of Living
Natural Resources**



ESS7

**Indigenous Peoples/Sub-
Saharan African
Historically Underserved
Traditional Local
Communities**



ESS8

**Cultural
Heritage**



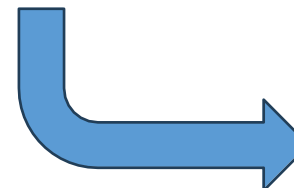
ESS9

**Financial
Intermediaries**



ESS10

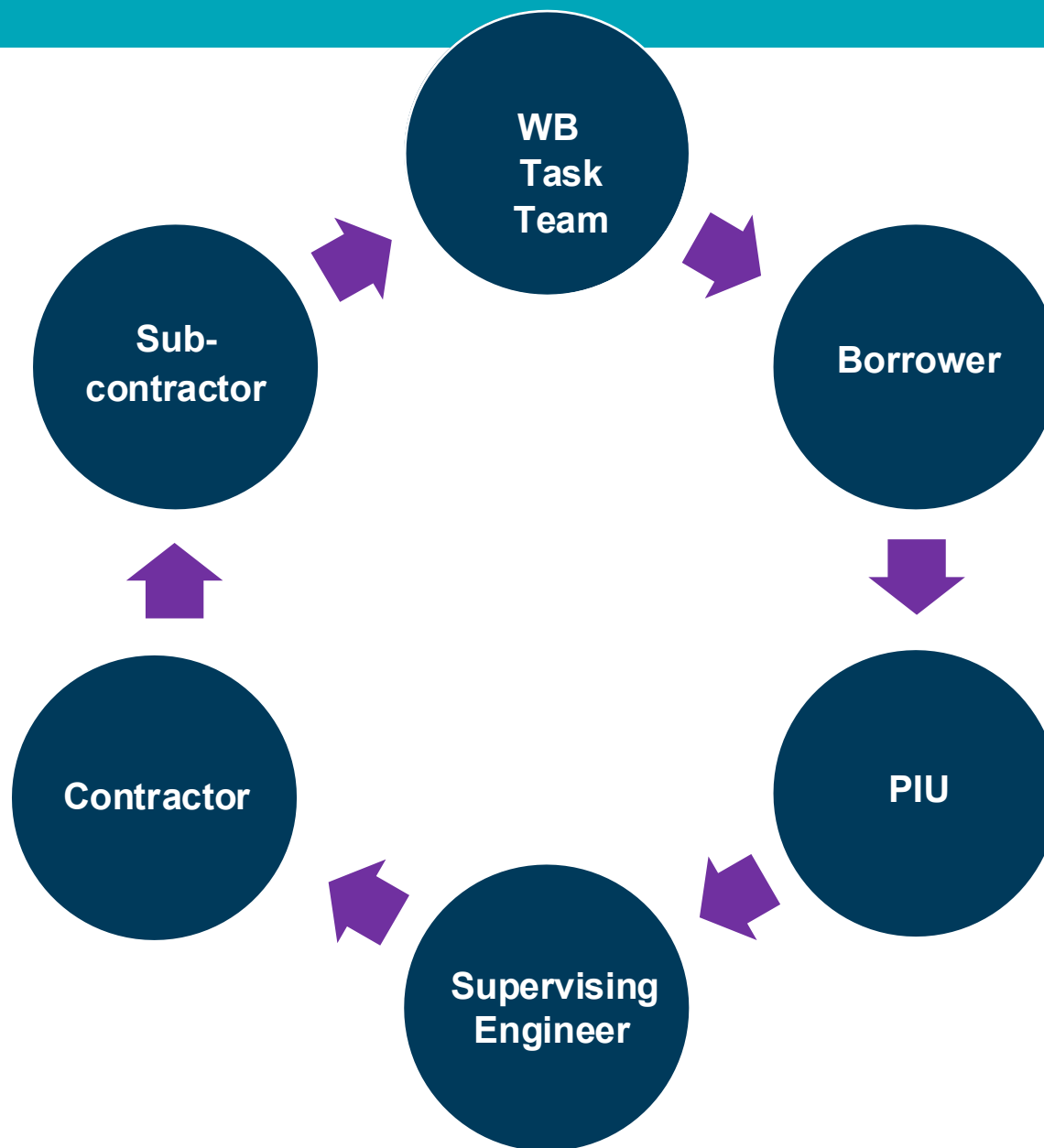
**Stakeholder
Engagement and
Information Disclosure**



**Env and Soc Commitment
Plan (ESCP)**

ESS1: Assessment and Management of ES Risks and Impacts





- Measures
- Procedures
- Systems





MEASURES

- Hazard Identification
- Risk Management
- Training
- Incident Reporting and Response
- Emergency Response Plan
- Workers' Compensation and Insurance



PRODECURES

- workplaces, machinery, equipment & processes are safe and without risk to health



SYSTEMS

- Effective methods to respond to hazards and risks
- Setting priorities for action,
- Evaluation of results
- Regular review of OHS performance and the working environment.

ESS3: Resource Efficiency & Pollution Prevention

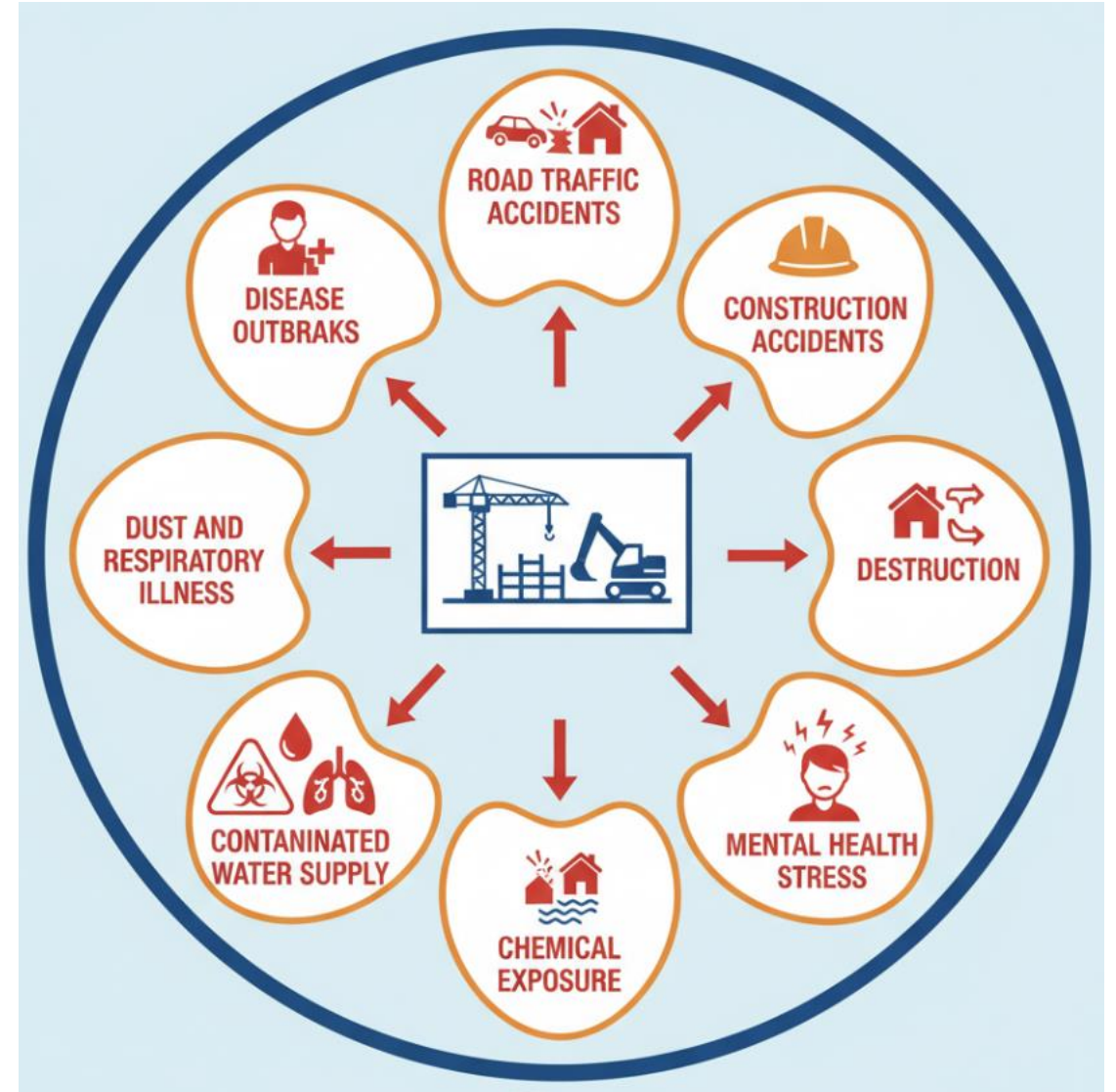


Examples of ESS3 Related Impacts



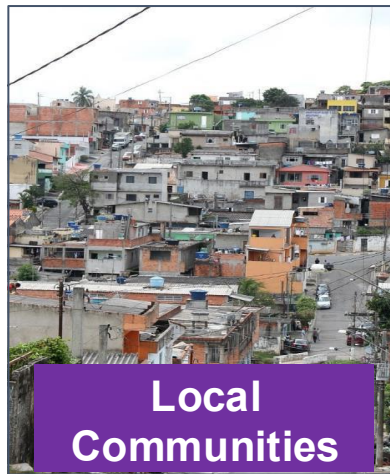


Interaction of ESS2 and ESS3 with ESS4

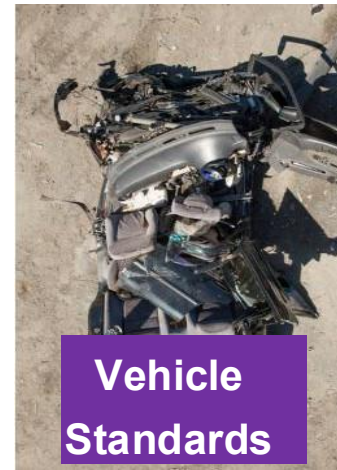
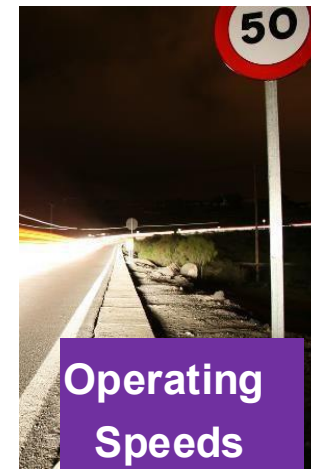
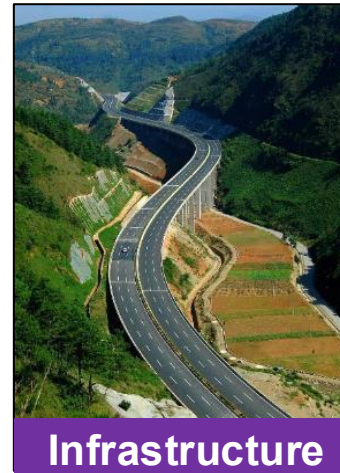


Traffic Accidents

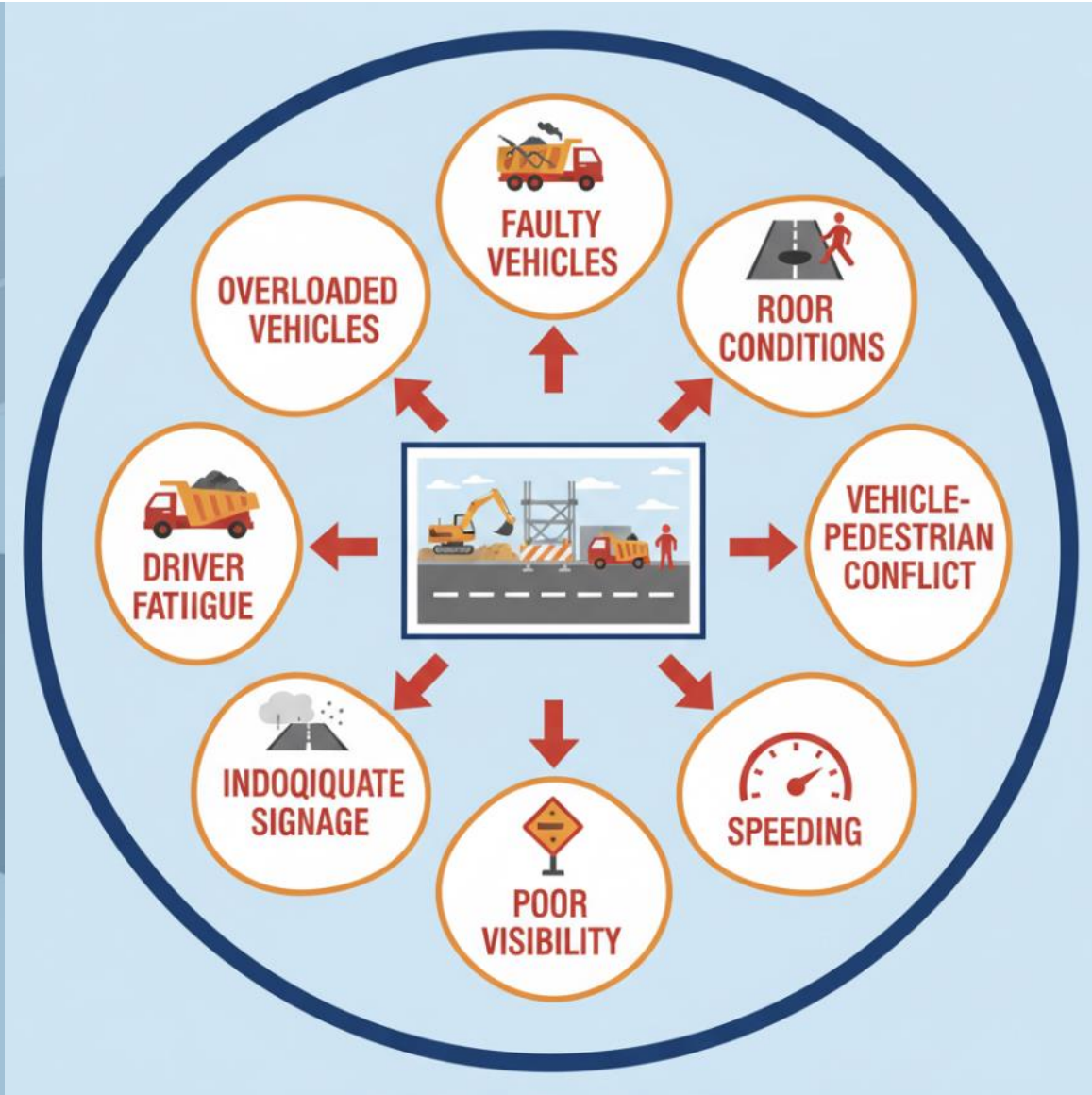
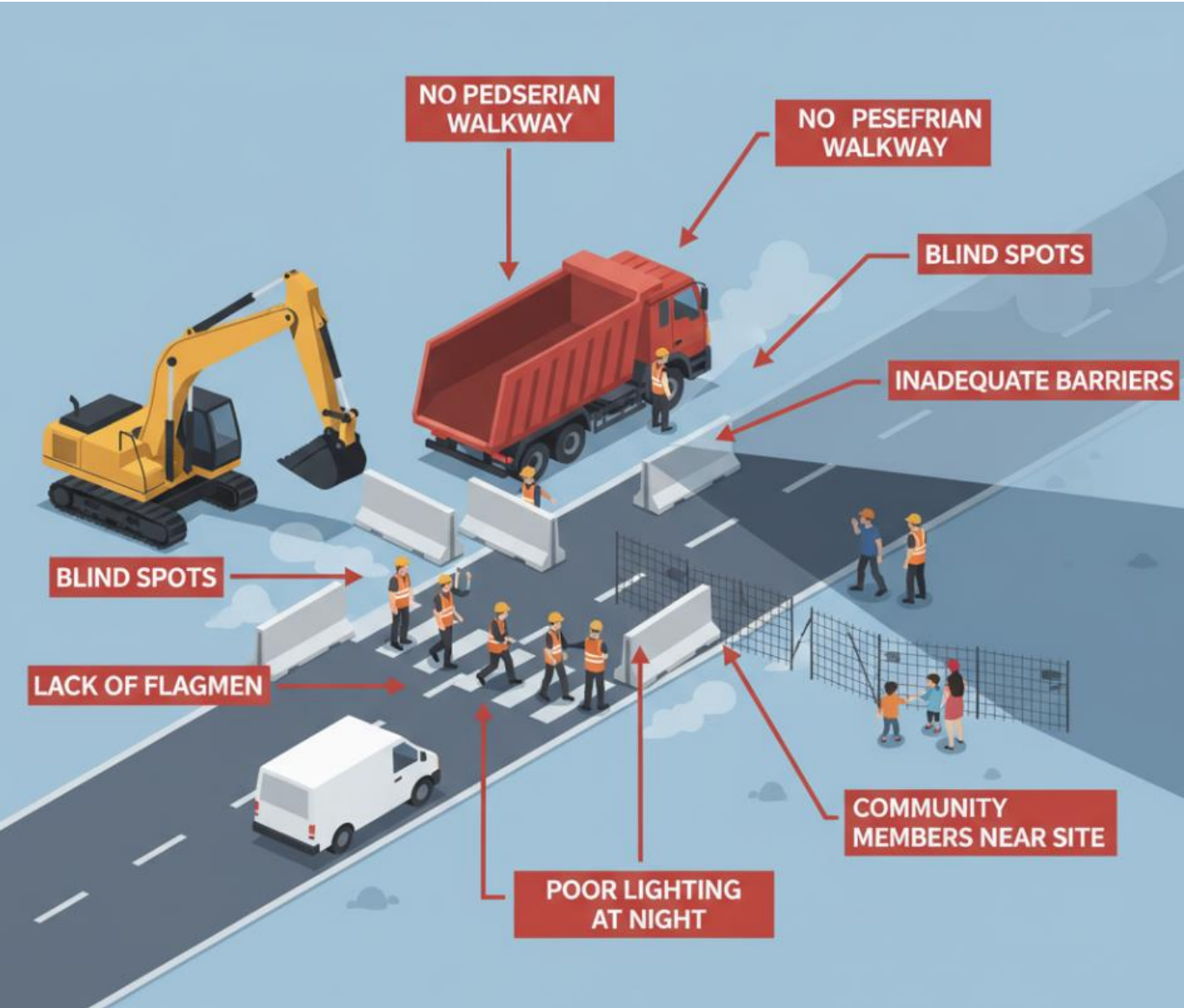
Who is at risk?



Factors Affecting Traffic Safety



Common Causes of Traffic Accidents



- The WBG EHS Guidelines comprise:
 - **EHS General Guidelines**, which contain information on cross-cutting environmental, health, and safety issues potentially applicable to all industry sectors; and
 - **62 industry sector Guidelines** covering Forestry, Agribusiness, Food Production, Chemicals, Oil and Gas, Infrastructures, Manufacturing, Mining, and Energy sectors
 - First published in 2007 and available in 6 languages (Arabic, Chinese, English French, Russian and Spanish)

Thank You

www.worldbank.org/esf
