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EIA in China

EIA process and methods

- **Framing**

- Prepare phase

- Implement phase

- EIS phase

- Review and authorize

- Monitoring

- Framing

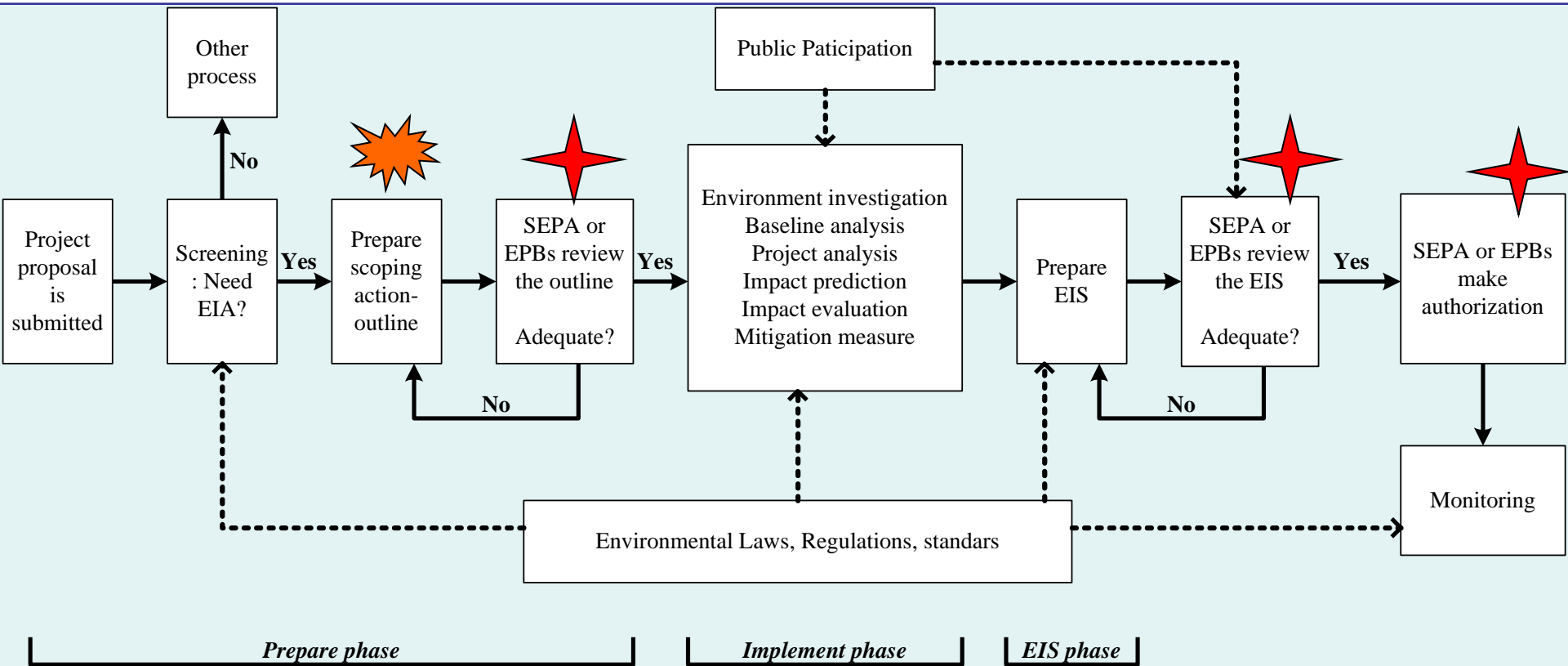


Figure 2.1 EIA Process

- **Prepare phase - Screening**

□ After a developer submits the project proposal, We must decide:

1st: Does it accord with policy, or regulations?

Yes! --- going on.

NO! --- this project could not be carry out.

We should Look up:

National policy/regulation about the development project;

Local government's policy/regulation about the development project.

- “Wuhan lakes protection ordinance”
- “Hubei enshi prefecture qingjiang protection ordinance”

- **Prepare phase - Screening**

- In China, government and environmental protect administration divide the development project into four kinds:

- Encouraged project; 鼓励

- Permissive project; 许可

- Limitative project; 限制

- Eliminative project; 禁止

- **Prepare phase - Screening**

□ After a developer submits the project proposal, We must decide:

1st: Does it accord with policy, or regulations?

2nd: What kind of EIA report is required?

EIS – Environmental Impact Statement; *(complex)*
(The project has significant environmental impacts.)

EIF – Environmental Impact Form; *(normal)*
(The project's environmental impacts are very small)

EIRF – Environmental Impact Registration Form; *(simple)*
(The project almost has no environmental impacts.)

- **Prepare phase – EIA outline**

- Prepare EIA outline is a scoping process.

- EIA outline should include:

- The initial analysis of project;

- Investigation of local environmental baselines;

- Identification of significant impacts;

- Establishment of the action-classes for each individual impact;

- **Prepare phase – EIA outline**

- Prepare EIA outline is a scoping process.
- EIA outline -- The initial analysis of project:
 - Location;
 - materials (input);
 - energy sources;
 - products (output);
 - Pollutants;
 - ...

- **Prepare phase – EIA outline**

- Prepare EIA outline is a scoping process.

- EIA outline -- Investigation of local environmental baselines:

Background – Environmental quality of clean area;

Baseline – Average environmental quality of the whole area (no action);

-- air, water, soil, noise, ecosystem, etc.

- **Prepare phase – EIA outline**

- Prepare EIA outline is a scoping process.

- EIA outline -- Identification of significant impacts:

- The pollutant already existed in the location;

- Main pollutants of the project;

e.g. 100Mw Thermo-Power Plant Using Coal Spoil

e.g. 500kV high-voltage transmission line



- **Prepare phase – EIA outline**

- Prepare EIA outline is a scoping process.

- EIA outline should include: -- Establish the action-classes for each individual impact

- Individual impact assessment:

- Water pollution assessment,

- Air pollution assessment;

- Solid pollutants assessment;

- Noise assessment;

- Ecosystem assessment;

- Environmental risk assessment;

- Social impact assessment;

- Environment economic assessment;

- **Prepare phase – EIA outline**

- Prepare EIA outline is a scoping process.

- EIA outline should include: -- Establish the action-classes for each individual impact

- action-classes :

- water, air, solid, noise, ecosystem, each of these individual impact assessment has been graded into 3 level: first-grade, second-grade and third-grade;

- Environmental risk assessment: first-grade, second-grade

- Social impact assessment and environment economic assessment has not been graded, just qualitative describe in EIS

- **Prepare phase**

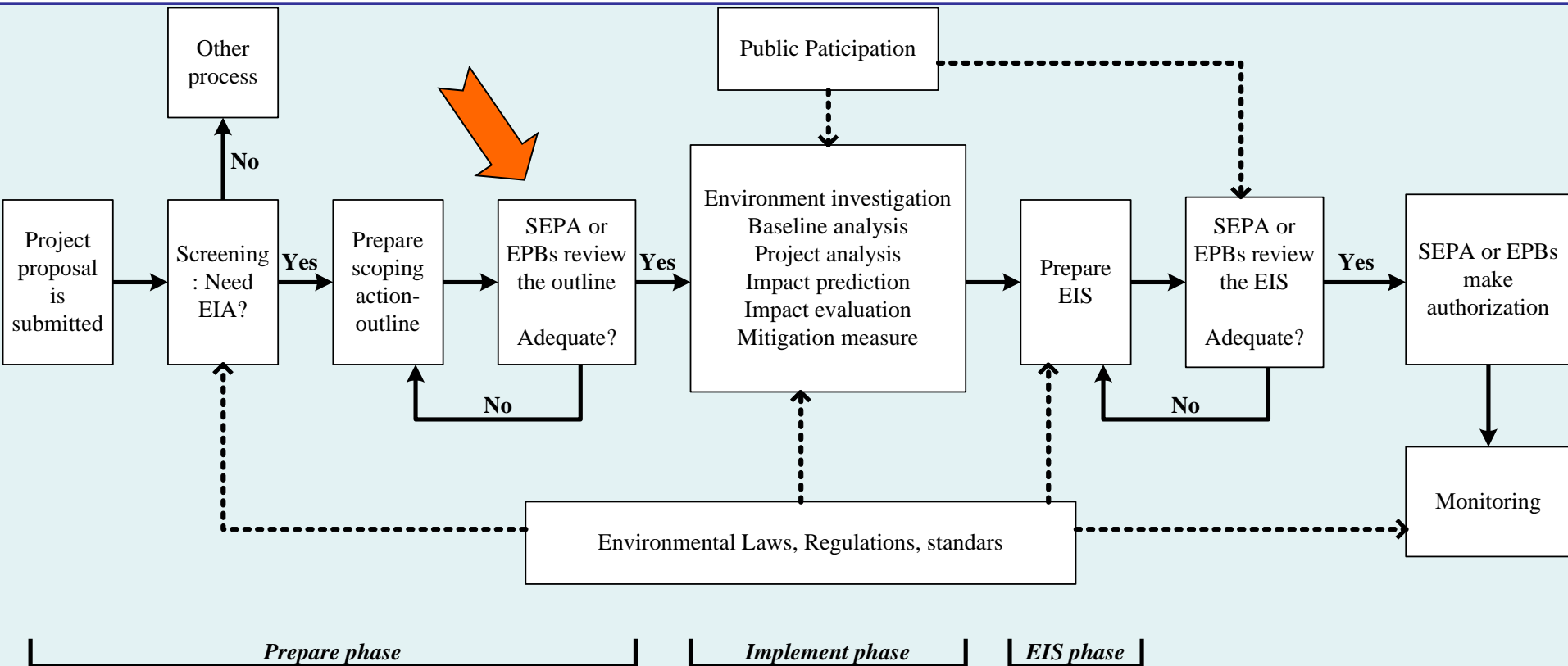


Figure 2.1 EIA Process

- Implement phase**

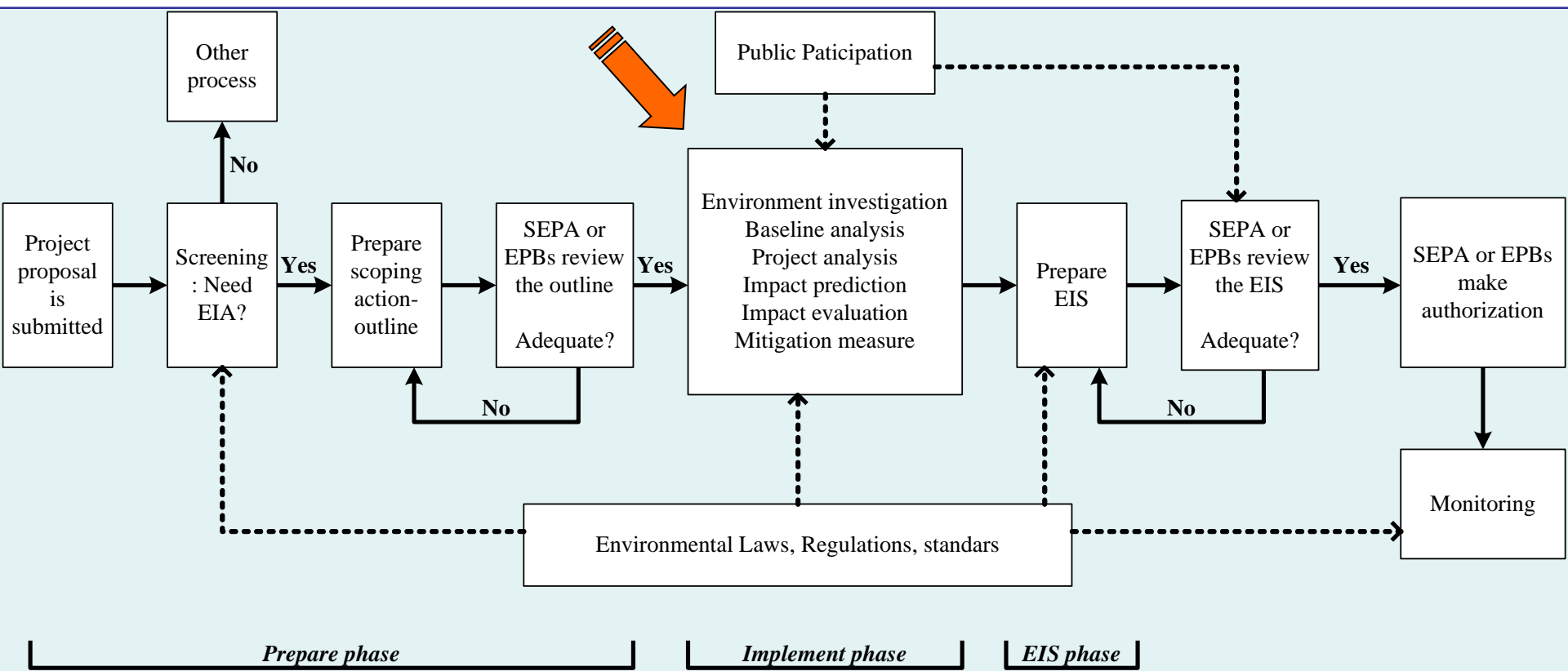


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