

A WELSH PERSPECTIVE ON LAND RECLAMATION IN WALES AND ELSEWHERE

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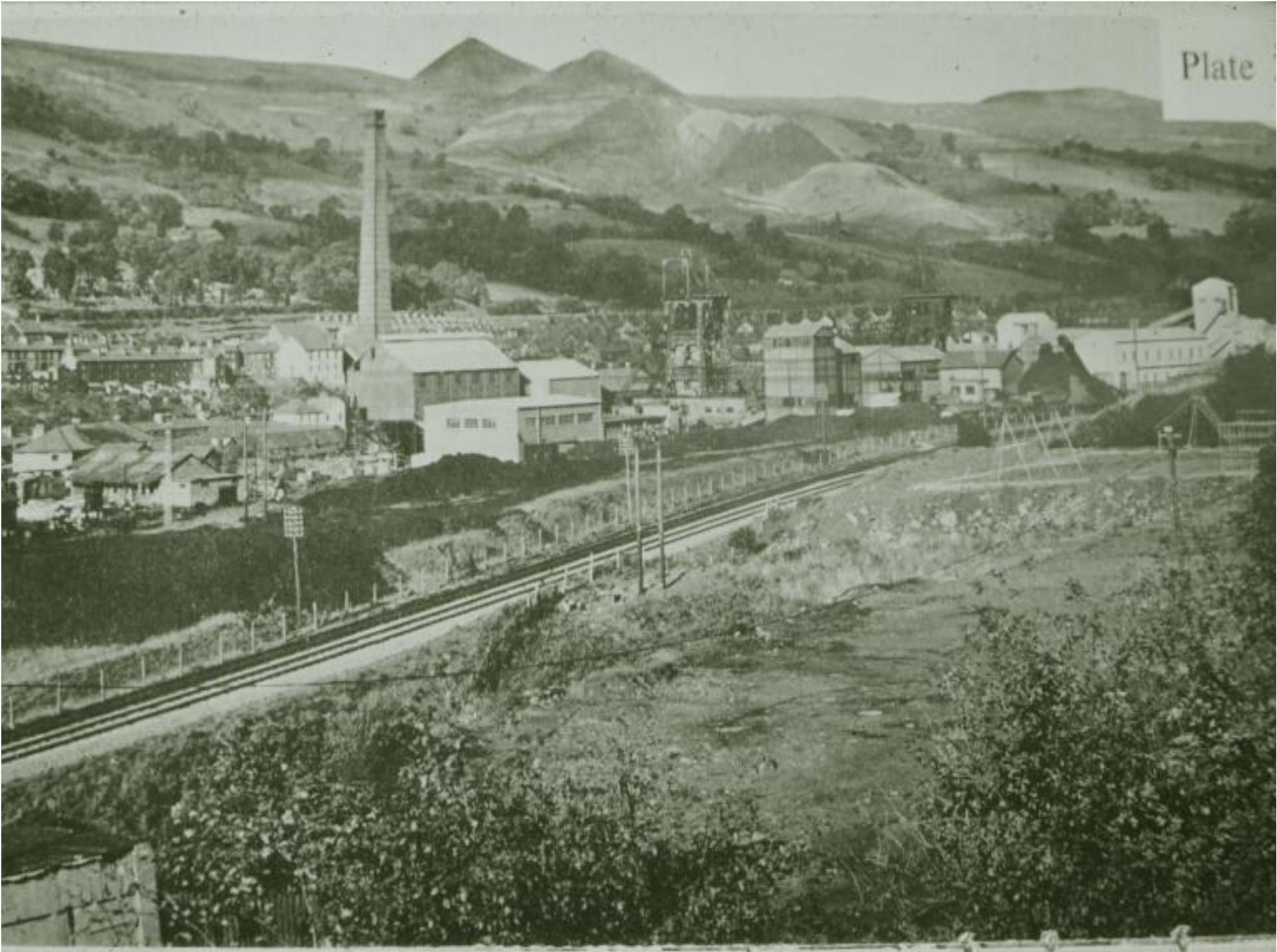
What is the Role of WDA

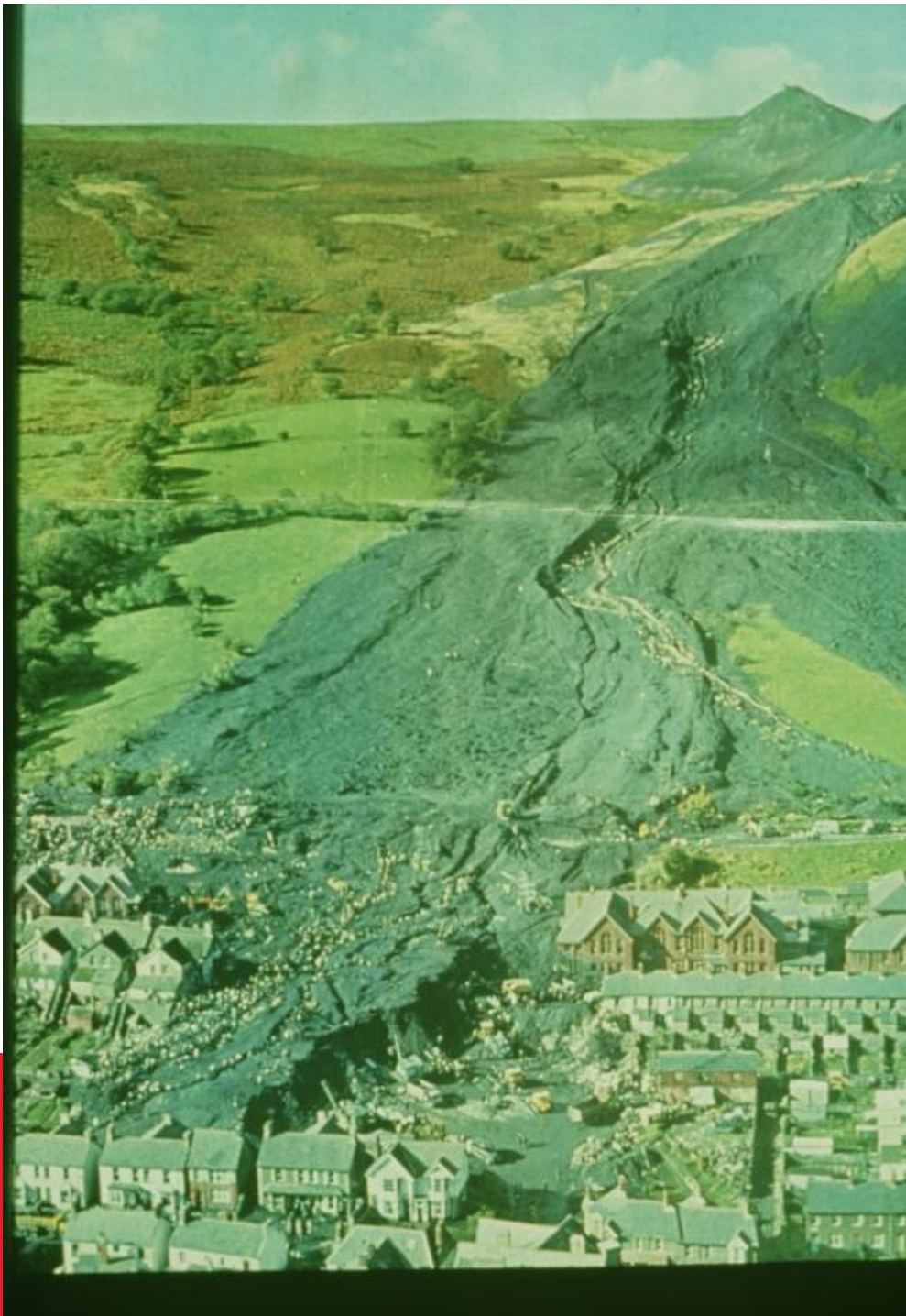
- Assess dereliction
- Agree priorities and programmes
- Manage programme funding and vet projects
- Monitor projects
- Promote and support research

Why reclaim derelict land?



Plate









Priorities

- Safety
- Development
- Environmental improvement
- Essential first step in Regeneration

What is Dereliction in Wales?
































DANGER

NO PERSON SHOULD
PROCEED BEYOND THIS
POINT, OR ON ANY
ACCOUNT WALK ON
THE POND SURFACE







What has been achieved to date?

- 1,200 Projects, 11,000 Hectares (27,000 acres)
- 150 Industrial sites, 100 Housing sites
- Retail, Hotels, Pubs
- Hospitals, Schools, Police Stations
- Railway Stations, Cattle Market, 10 Marinas
- 50 Roads and Road Improvements
- 50 Playing Fields, 28 Lakes, 18 Country Parks
- Removal of physical and chemical threats
- Heritage Preservation



Examples of Change









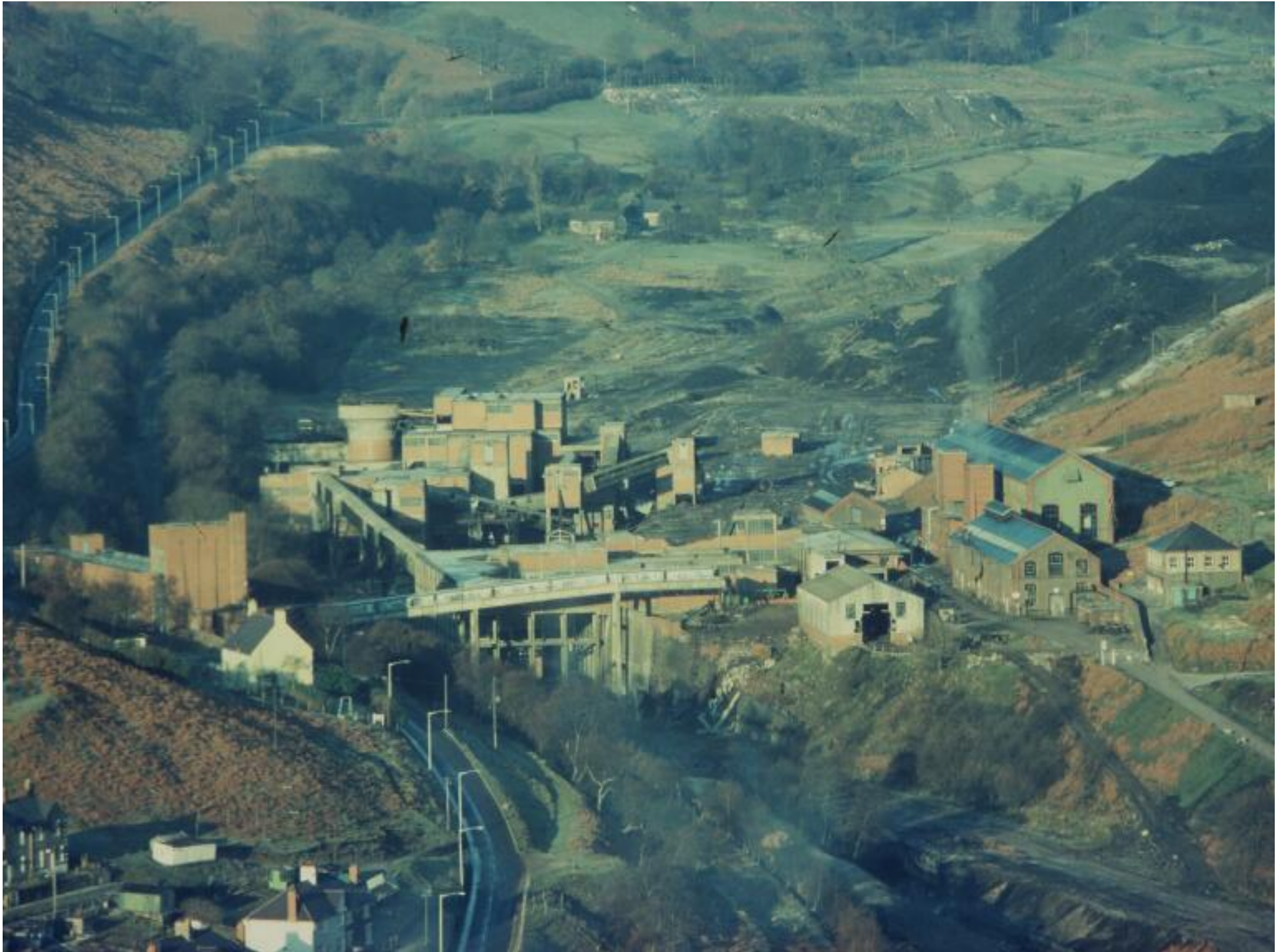




















































International Experience

Visits from Overseas

Work Overseas

- France
- Italy
- Belgium
- China
- Poland
- Czech Republic



Technological Challenges

Physical

Geotechnical stability

Treatment of shafts and shallow workings

(NB Ironstone Roadways)

Drainage Systems

- French Drains, ditches
- Channels (armoured)
- Lakes and Ponds
- Headings, Directional Drilling



Physical (Cont/d)

Coal Washing

- Plant types
- Filter presses

Open casting

- Geotechnics
- Create, don't replicate



Chemical Challenges

- Heavy Metals
 - Lead mine Surveys
 - Treatment Trials
- Ammonium Nitrate
- Fullers Earth
- Carbon Disulphide
- Phenols, PCBs, P.A.H, Benzene, Acid Tars,
- Asbestos
- Ferruginous Mine waters



Military

- Mustard Gas
- Tabun
- TNT
- Phosphorous Grenades
- Land Mines
- Hand Grenades
- Detonators



Ecology

- Grass
- York and Newcastle Study
- Brynbach Experiments
- Chicken Litter
- Rhizobium Inoculation
- Species Invasion
- Plant a tree in 73



Publications

- Manual
- Grass seed mixes
- Working with Nature
- Japanese Knotweed
- Greening the Valleys



Challenges

- Be realistic about the “Polluter Pays Principle”
- Gather epidemiological data on health effects of contamination
- Don’t lose sight of physical threats
- Reclamation is only the start
- Don’t develop brownfields just because they’re brown
- Beware regulation stagnation
- Procurement
- Exploit our lead position



Measure True Capacity Building

- Hazard Removal
- Blight Removal
- Development Opportunity
- Development Leverage
- New Landscape
- New Assets
- Heritage Conservation and Development
- New Optimism and Hope



BEWARE COMPLACENCY







Thank you

Any questions?



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