



IAEA's TECHNICAL MEETING ON LOW GRADE URANIUM

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REGULATIONS ON SAFETY OF MINING AND EXPLORATION OF NUCLEAR ORE AS ADDITIONAL PRODUCT

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What are needed ?

1

REGULATIONS ON SAFETY OF 'MINING' AND 'EXPLORATION' (~EXPLOITATION) OF MINERAL CONTAINING LOW GRADE URANIUM ORE AS AN ADDITIONAL PRODUCT

2

RELEVANT TECHNICAL INFORMATION

3

NOVEL TECHNOLOGY INFORMATION

4

INTERNATIONAL STANDARD

5

ACCEPTANCE CRITERIA, IF ANY

6

SHARING EXPERIENCE ON SOCIAL IMPACT

7

'SAFETY AND SAFEGUARDS ASPECT' CONSIDERATION



What we have

1 The Act No. 4 of 2009 on Mineral Mining

2 The Act No. 10 of 1997 on Nuclear Energy

1

provides regulation covering mineral right, mining right, economic right, area, working activity, licensing and requirement of mineral mining, etc.

social licensing ???.

2

contains regulation covering use of mineral, regulatory mechanism and its law enforcement for uranium mine working activities

3

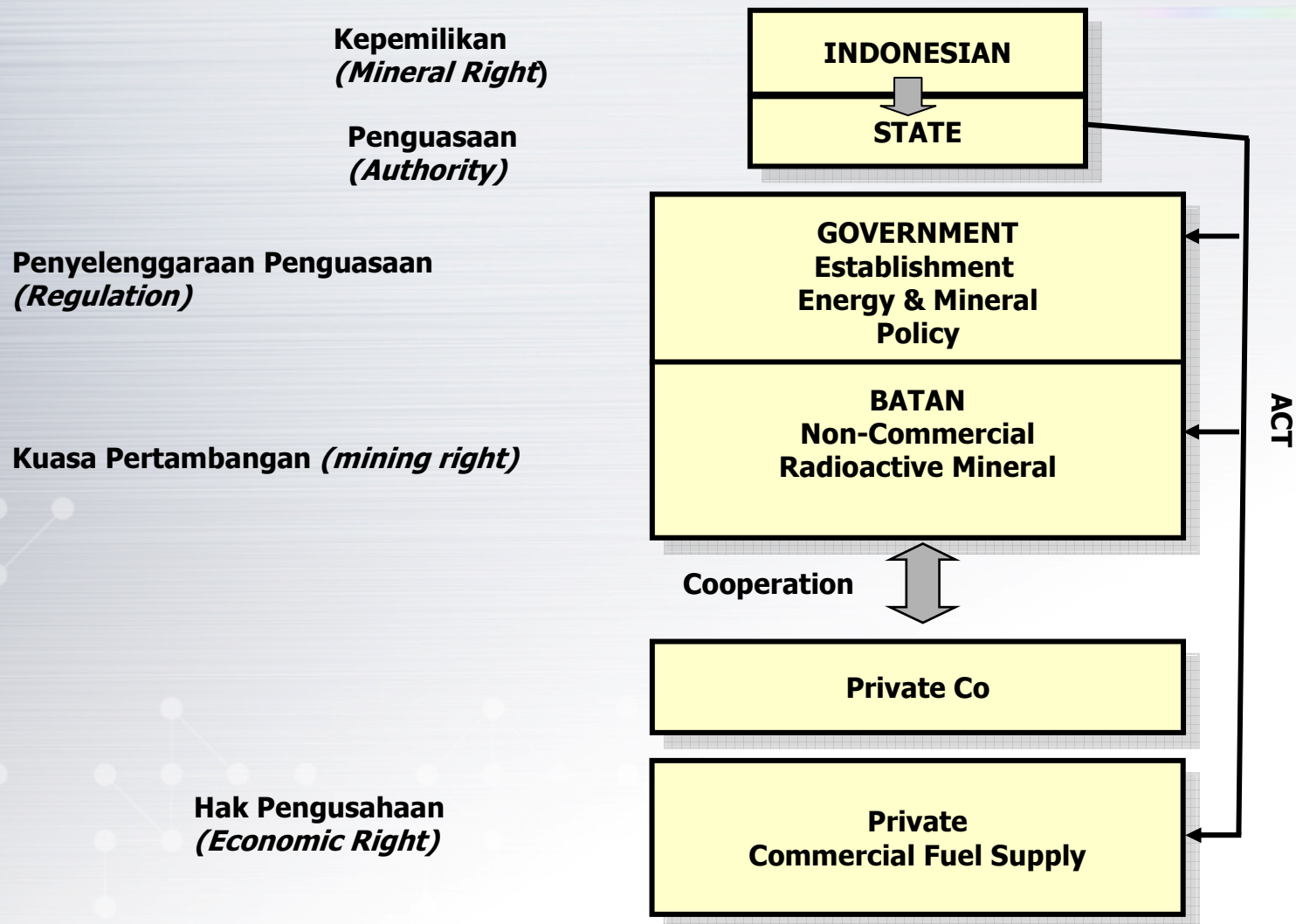
BAPETEN Chairman Decree on Safety Provision for Workers on Radioactive Mineral Mining



What we do

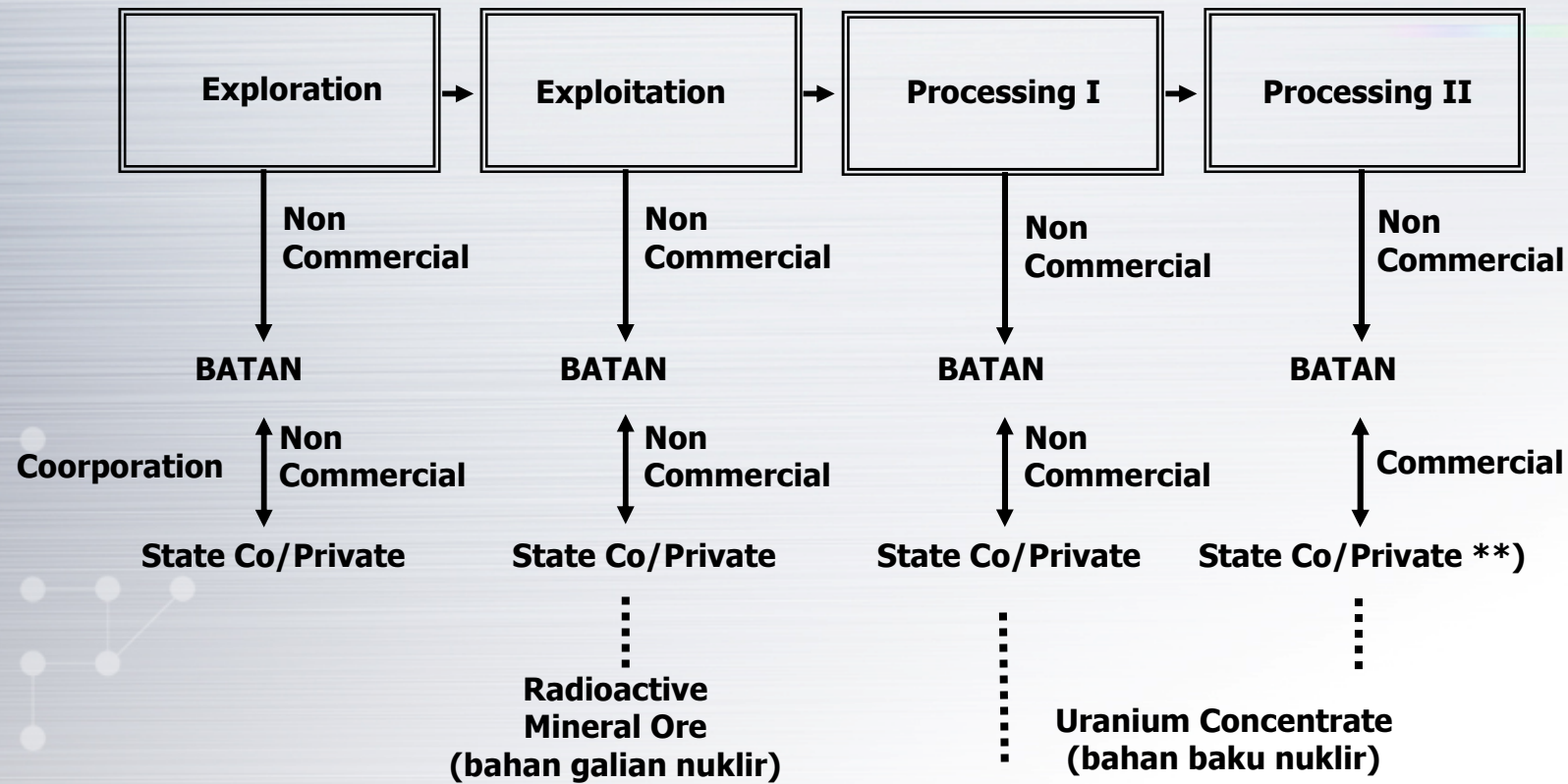
1

Preparing the Government Regulation on Radioactive Mineral Mining Licensing





RADIOACTIVE MINERAL MINING (ACT No. 10 of 1997)





What we face

1 Mineral containing Low Grade Uranium as side product ?

2 Is it subjected to control ?

3 Environmental & regulatory planning

4 The potential state detriment or financial loss level

**5 The volume of mineral ?
significant enough to be clarified proportionally ?**

6 Radiological safety implementation

7 ?



What we wish

1

Based on the radiological characteristic and recent conditions relating to exploration and 'exporting' of zircon sand (mineral containing low grade uranium), the regulating policy should be established.

Recommendation/Suggestion to accommodate the various conditions and stakeholders wills, in order to obtain the optimal decision.

2

Social Licensing ~ Corporate Social Responsibility

3

Information from the experiences & competences

4

?



CONCLUSION

The proposed regulation would cover:

1. The permissible maximum activity concentration of mineral containing uranium in mining and milling.

2. Categorization the mineral containing low-grade uranium with equivalent maximum uranium concentration



Thank You !