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## PAGE 1: CONTACT FOR FURTHER INFORMATION

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## PAGE 3

**Q5: What does the term BROWNFIELD mean in your country?**

We do not have any legal definition on the brownfield in laws and regulation related to soil contamination. However, we know that the brownfield can be defined as a field that has more or less difficulties of its redevelopment due to the presence or possibility of the presence of contaminants in soil and/or groundwater.

**Q6: Is the presence of contamination essential for a site to be considered a brownfield site?**

No

**Q7: Are brownfields managed through the normal processes applying to land development, or are there are alternative processes or laws that are specific for managing (and developing) brownfields? Please detail the legal framework that is used/applied for managing brownfields. If this is different from the framework normally applied, please detail the key differences.**

Brownfields are managed through the normal process applying to land development. In most cases, there are no clear differences for managing both brownfields and greenfields during land development.

**Q8: Is there a specific inventory of sites that meet the above definition of a brownfield (as opposed to inventories / registers of contaminated sites)?**

Yes

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**Q9: Please provide details such as a web link.**

It is not now open to the public.

**Q10: How often is the brownfields inventory updated and by which authorities/organisation(s) (e.g. national – Department or Ministry, specific organisation [e.g. land registry/ site inventory, public development enterprise, etc.], regional – regions, provinces, states, autonomías, etc., local – municipality)?**

It will be updated on a regular basis of three year by Korea Environment Cooperation(KECO)

**Q11: What is the extent of brownfields in your country (e.g. number of hectares)?**

The details can be supported by the KECO.

<b>Q12: Is this a very minor percentage or a significant percentage of the total land that is being developed?</b>	Minor percentage
<b>Q13: Of the potentially available Brownfields, what percentage is being developed over the next 5 year period?</b>	Between 20-30%
<b>Q14: Is there any evidence that the extent of brownfield land is growing, stable or reducing over time?</b>	Growing, Please give details We have just established the brownfield inventory. So, we think that we can find more sites as it is updated over time.
<b>Q15: What is the typical time taken for developing a brownfield site?</b>	Less than 5 years
<b>Q16: Is this different from the time taken for developing large areas of greenfields land? If there is significant difference, why is this?</b>	No

## PAGE 5: Further details

**Q17: If there is a law/policy/regulation regarding brownfields, what are the key principles of this (e.g. integration with land planning legislation / regulation, fit for use vs. land uses, management tools such as restriction of uses)?**

We do not have any legal framework on brownfields.

**Q18: Are there legal, policy or regulatory imperatives that require brownfields redevelopment / reuse, or limit the amount of development that can take place on greenfield sites?**

No

**Q19: Are there financial incentives (such as tax breaks, or grants, national / regional special funds) that encourage brownfields redevelopment? For example: State of Wisconsin (United States) Ready for Reuse Grant and Loan Program** Ready for reuse loans and grants are used for environmental cleanup of hazardous substances or petroleum at brownfields throughout Wisconsin. Loan and grant funds can be used for eligible costs incurred during the grant or loan agreement period for cleanup of contamination from hazardous substances or hazardous substances commingled with petroleum. Loans. All loans are zero interest and are for long-term projects. Applicants should give strong consideration to applying for larger loan amounts (\$250,000 or greater). Grants. The maximum grant amount is \$200,000 per site. Grants will be awarded to projects that can be completed in two years. Grant applicants must own the property. Financial requirements. Loan and grant applicants must provide a minimum of 22 percent of the requested funds as a match contribution. Other state or local (but not federal) grants may be used as match "provided that the grant and loan periods overlap, the grants are for eligible cleanup activities and those activities will be incurred during the same time period." Source: Kovalick, Walter W., Jr.; Montgomery, Robert H.. 2014. Developing a Program for Contaminated Site Management in Low and Middle Income Countries. World Bank Group, Washington, DC. © World Bank.

No

**Q20: If the brownfields involve land or groundwater contamination, can the future uses of land or groundwater be restricted for an area or precinct of land, so as to reduce the level of remediation / clean up that is required? For example:**a. Can land be zoned to a less sensitive use such as commercial or park that requires less remediation? b. Can groundwater extractive use be prohibited so that the groundwater does not need to be cleaned up / remediated for extractive use? c. Can development of the land have a restriction as to the a particular type of building (eg buildings with water proof and vapour proof basements or floor slabs) to limit the requirement for clean-up / remediation?

b

**Q21: Are financial mechanisms [e.g. bonds, warranty, insurance, financial guarantee, etc.] required to ensure that remediation / clean-up will be carried out to the level required, or to address any problems that might appear later? If possible, please detail the existing financial tools and/or give reference/weblink.**

They are not required.

**Q22: If the brownfields involve land contamination, is the design of a brownfield redevelopment plan determined on the basis of locating less sensitive land uses on contaminated ground, and more sensitive land use on land that is not contaminated or is less contaminated?**

We do not yet have a guideline for that situation.

**Q23: How is community consultation involved in determining the design of the development?**

No.

**Q24: Does your jurisdiction have any particular brownfield sites that are good examples of how brownfield sites can be restored to more productive use? (provide a link to case study or no more than half a page summary of the site and approach taken).**

We have several brownfield sites such as closed or abandoned mining sites which were restored to more productive uses. However, we do not have web sites with English version.

PAGE 6: CRUCIAL DEVELOPMENTS IN THE FUTURE

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**Q25: Are there any particular problems associated with developing brownfields (particularly those that involve land and groundwater contamination) that need to be improved/addressed (e.g. funding, liability management, organisational issues, achieving closure on land or groundwater remediation / clean up)?**

No

**Q26: If it is apparent that there are solutions to these problems and work is being undertaken to address these problems, please advise the nature of this.**

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**Q27: Are there research and development needs to address the problems arising with brownfields?**

Yes, it is.

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PAGE 7: REFERENCES

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**Q28: Please give most important references (documents, website, projects, and case studies) that could be relevant for explaining your national approach**

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