

*The introduction of the HLW
management in Taiwan*

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The introduction of the HLW management in Taiwan

- ❖ *1. Main Organizations*
- ❖ *2. Previous Efforts*
- ❖ *3. Problems*
- ❖ *4. Future Selections*
- ❖ *5. Conclusion*



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- ❖ *1. Main Organizations*
- ❖ *HLW – Spent Fuel from Taipower Co.*
- ❖ *3 power stations with 6 units*
- ❖ *2 units under construction*
- ❖ *Power station looking for spent fuel dry storage*



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❖ 1. Main Organizations

*❖ Research spent fuel: NTHU and
INER*

*❖ NTHU: National Tsing Hua
University*

❖ 1MW open-pool reactor

*❖ INER: Institute of Nuclear Energy
Research*

*❖ ZER: Zero Power research
Reactor*



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- ❖ *1. Main Organizations*
- ❖ *Regulator: Atomic Energy Council
(AEC)*
- ❖ *University: National Tsing Hua
University*

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2. Previous Efforts

a. Scientific base studies (since 1980)

b. Host rock selection (since 1990)



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2. Previous Efforts

c. Technology development (since 1990)

Drill tech.

Geo-chemical tech.

Geo-physics



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2. Previous Efforts

d. Data collection (since 1990)

e. Public education



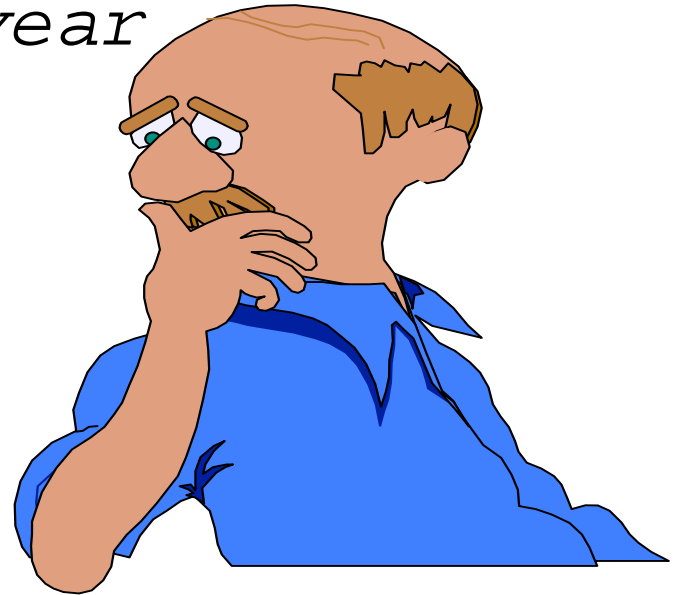
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3. Problems

a. Political issues

i.e. Election every year

Party change

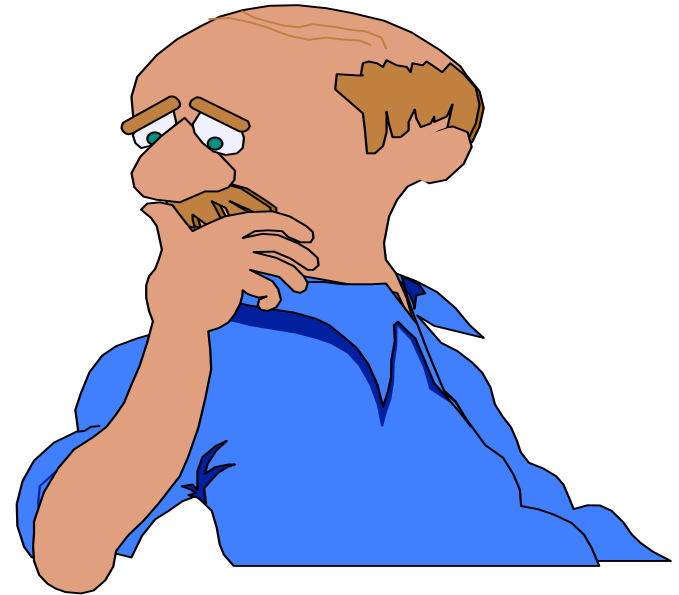


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3. Problems

b. Direct disposal or Reprocessing

(the study for the Comparison: cost)



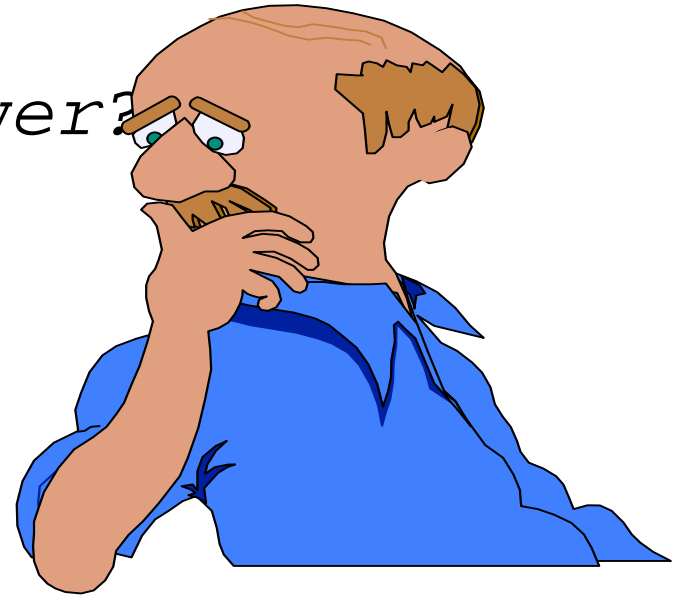
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3. Problems

c. Future energy supply

Structure

i.e. More nuclear power?

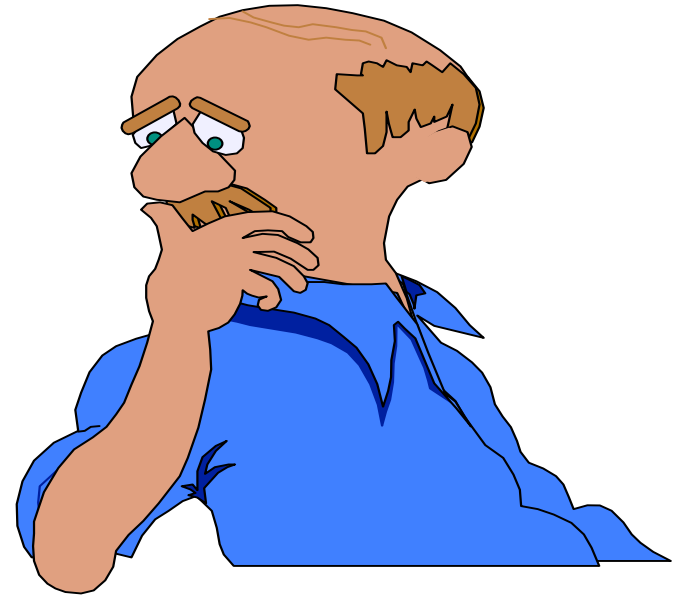




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3. Problems

*d. The relation between
Taiwan and China*

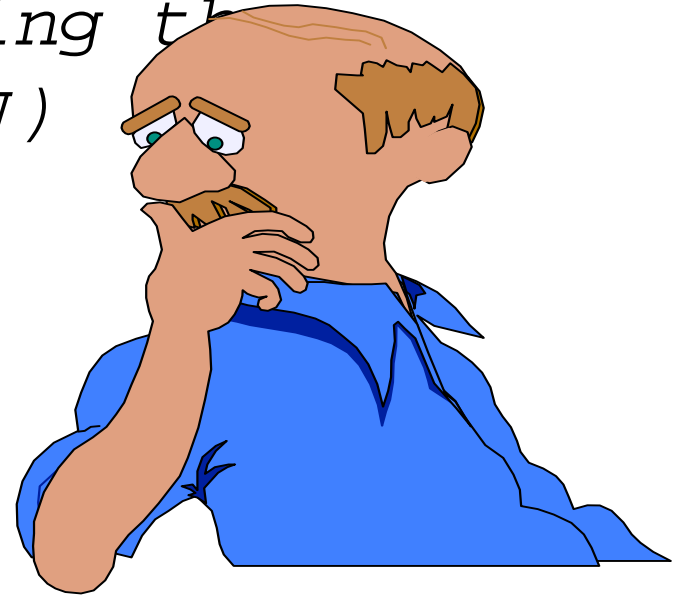


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3. Problems

e. Public acceptance

(i.e. NIBY in searching the Disposal site for LLW)



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- 4. *Future Selections*
 - a. *Corporation with China? USA? or international?*



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4. *Future Selections*
 - b. *Storage for a long time and Reprocessing or disposal later*



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- 4. *Future Selections*
- c. *Fast /next generation Reactor*





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5. Conclusion

