

# Bangladeshの水問題

- 飲料水ヒ素問題
- 都市衛生
- 洪水
- サイクロン
- 侵食
- 干ばつ
- 塩害
- ガンジス川を巡るインドとのコンフリクト
- 複雑(貧困・国際関係) → 総合的管理  
[Complicated → Integrated]

*Table 2.3* The number of 'significant' natural disasters and of technological disasters recorded by continental area, 1964–98

<i>Continent</i>	<i>Natural disasters</i>		<i>Technological disasters</i>	
	<i>Total</i>	<i>Per cent</i>	<i>Total</i>	<i>Per cent</i>
Asia	743	53	1,472	46
Europe	33	3	625	19
Africa	250	18	410	13
Caribbean and Central America	145	10	178	6
North America	32	2	274	8
South America	124	9	227	7
Australia and Oceania	76	5	36	1
Total	1,403	100	3,222	100

Source: CRED database

*Table 2.4* Ranked list of the five countries recording the highest number of 'significant' natural disasters and technological disasters, 1964–98

<i>Natural disasters</i>		<i>Technological disasters</i>	
India	153	India	344
China	106	China	233
Bangladesh	76	USA	227
Philippines	74	Philippines	175
USA	31	Bangladesh	91
Totals	440		1,070

Source: CRED database

*Table 2.5* Ranked list of countries with an average of more than 1,000 deaths per year from natural disasters, 1947–81 and 1964–98

<i>1947–81 period</i>		<i>1964–98 period</i>	
<i>Country</i>	<i>Deaths per year</i>	<i>Country</i>	<i>Deaths per year</i>
China	10,983	India	46,042
Bangladesh	10,494	Ethiopia	34,370
India	3,213	Bangladesh	15,934
Iran	1,750	China	9,214
Korea, South	1,135	Sudan	4,334
Pakistan	1,059	Mozambique	3,191
		Iran	2,476
		Peru	2,078
		Philippines	1,250

Source: After Thompson (1982) and CRED database

*Table 2.6* Ranked list of countries with more than 1,000 deaths per million of population from natural disasters, 1947–81 and 1964–98

<i>1947–81 period</i>		<i>1964–98 period</i>	
<i>Country</i>	<i>Deaths per million</i>	<i>Country</i>	<i>Deaths per million</i>
Bangladesh	3,958	Ethiopia	20,167
Guatemala	3,174	Mozambique	5,915
Nicaragua	2,590	Sudan	5,361
Honduras	1,995	Bangladesh	4,470
Iran	1,539	Peru	2,933
Peru	1,309	Honduras	2,816
New Guinea	1,283	Nicaragua	2,716
Haiti	1,189	Somalia	2,397
Korea, South	1,021	Guatemala	2,258
		India	1,641
		Iran	1,316

Source: After Thompson (1982) and CRED database



*Plate 7* A boatman ferrying women and a child around the flooded streets of Dhaka, Bangladesh, during the 1998 floods. Disruption of urban life due to flooding from monsoon rains is a regular feature of large cities in several south-east Asian countries. (Photo: K. McCulloch – Christian Aid/Still Pictures)

# 適正な (appropriate) 技術？

- 先進技術？
- Low-cost？
- 多目的 (資源利用)
- 管理主体
- 情報共有
- 住民の参加 (participation)
- Social feasibility
- High informed people's participation