

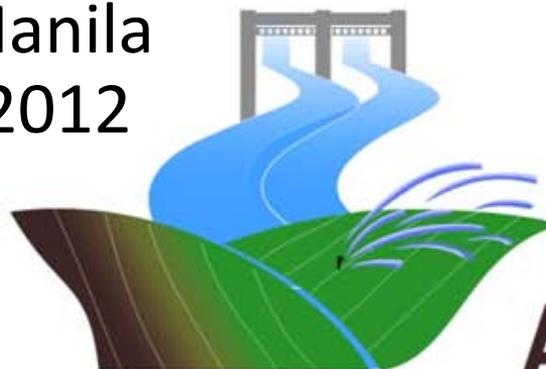
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Appropriate Water Management Objectives for Irrigation in Asia

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Context...

- Scarcity of water
- Competition among sectors

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- Competition among sectors

*So we need terminology that
“works” across sectors*

Beware of value-laden terms...

- “Efficiency”
- “Improvement”
- “Upgraded”
- “Water saving”

□ *These terms mean different things in different sectors*

Neutral terminology for all sectors...

- Water applied for any purpose goes to...
 - Consumed fraction
 - Beneficial consumption
 - Non-beneficial consumption
 - Non-consumed fraction
 - Recoverable
 - Non-recoverable

» *These terms mean the same things in all sectors!*

Worry about...

- Consumed fraction
 - Beneficial consumption
 - **Non-beneficial consumption**
- Non-consumed fraction
 - Recoverable
 - **Non-recoverable**

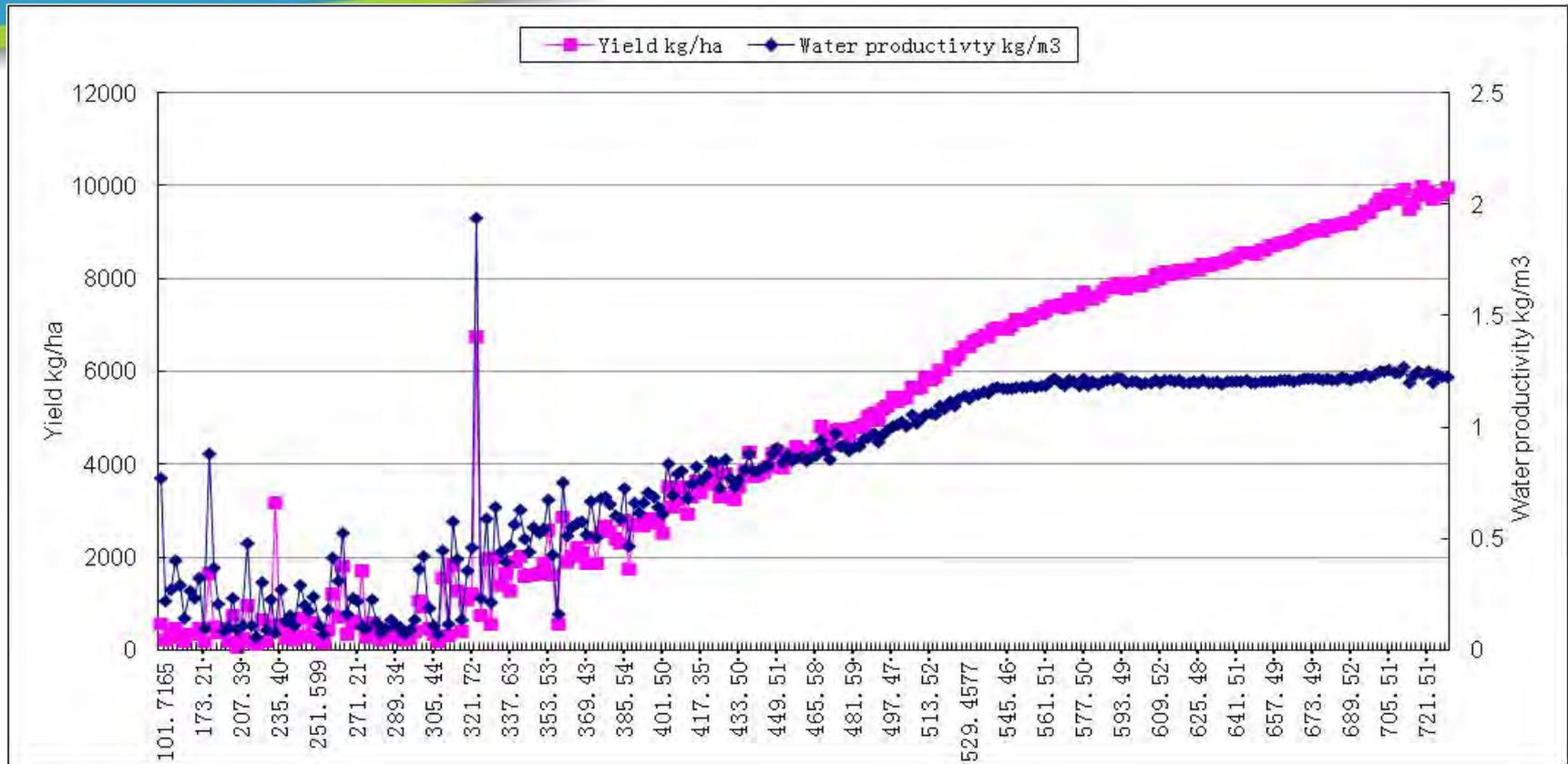
And note that...

- Healthier forests
- Upgraded catchments
- Water harvesting
- Improved irrigation
- Stopping leaks

***ALL TEND TO INCREASE
CONSUMPTIVE USE
and/or
REDUCE RETURN FLOWS***

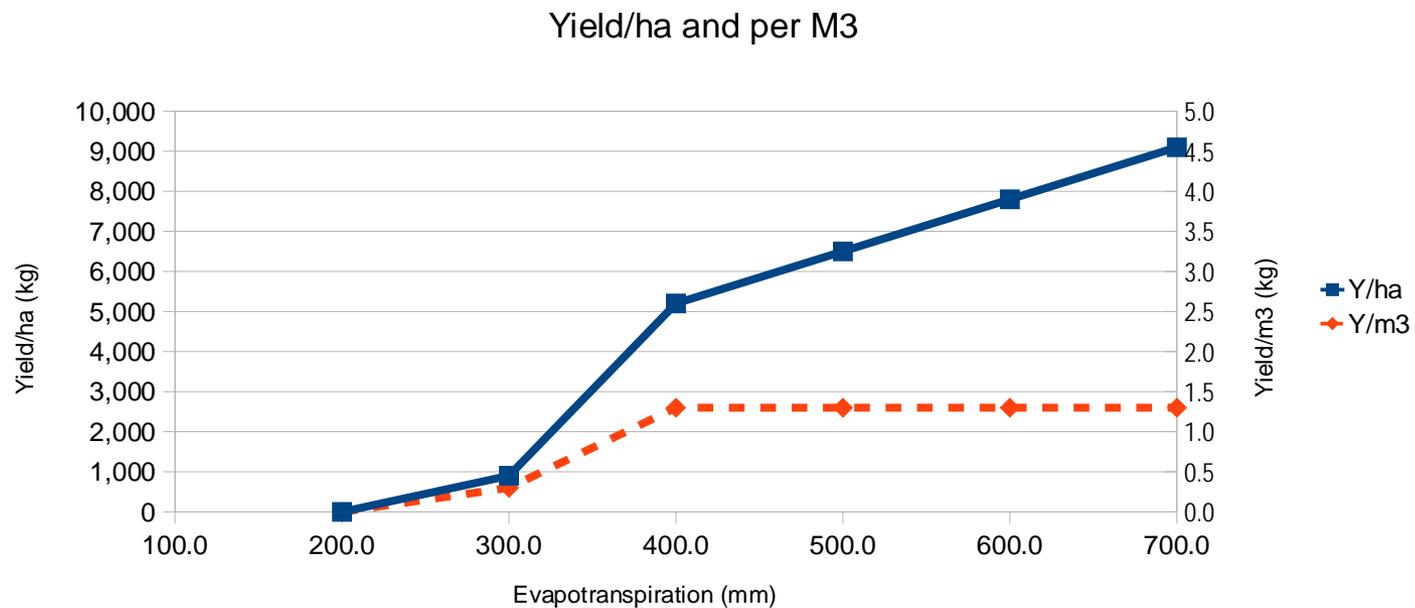
What does “consumption accounting” mean for irrigation strategy?

• Productivity of Land and Water

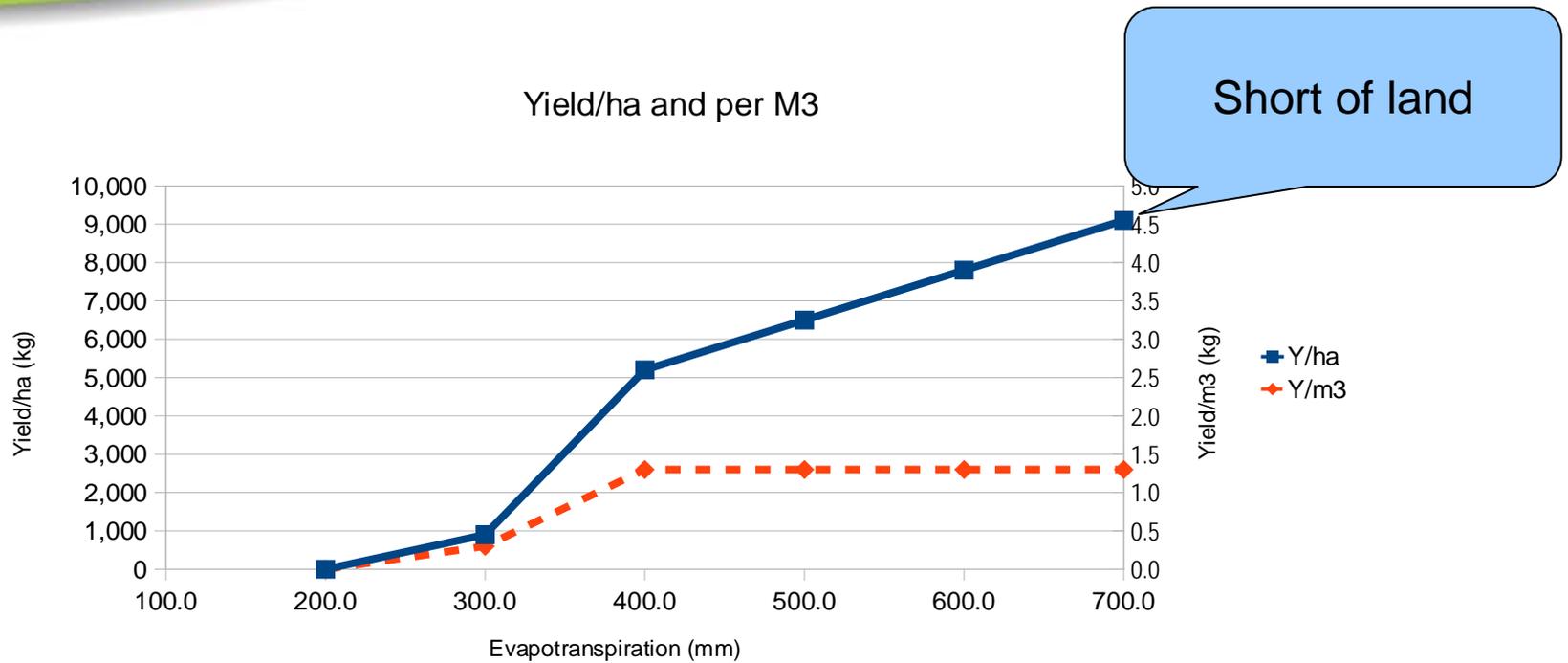


ET, Yield and water productivity

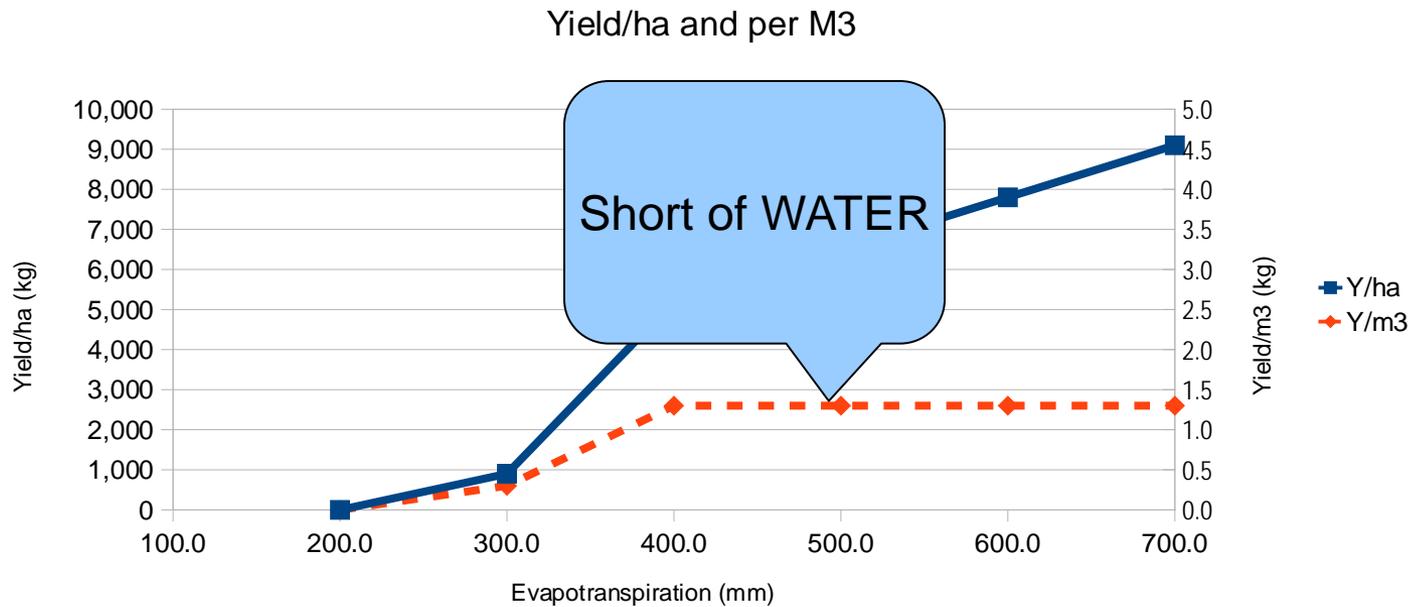
Productivity of Land and Water



Productivity of Land and Water



Productivity of Land and Water



How do we reach the “water short” target area in irrigated agriculture?

- Ration water per farmer
 - *That way each knows it is scarce and will avoid waste*

How do we reach the “water short” target area in irrigated agriculture?

- Ration water per farmer
- TELL the farmer what the service will be
 - *This allows the farmer to make plans*

How do we reach the “water short” target area in irrigated agriculture?

- Ration water per farmer
- TELL the farmer what the service will be
- Base that information on a realistic assessment of:
 - Likely water available
 - Infrastructure sophistication and condition
 - Staffing
 - Farmer discipline

How do we reach the “water short” target area in irrigated agriculture?

- The more farmers know about the service, the better they will use it
- The better it is used, the more “crop per drop”
- And the better the dialogue between agency and farmer to improve service

To sum up...

- Talk about water in cross-sectoral terminology
- Evaluate irrigation strategy in that same terminology – it will affect objectives
- Tell the farmers all you can!!

Thank you for your attention...

