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# Taking Wetlands into Considered as both Sources and Sinks

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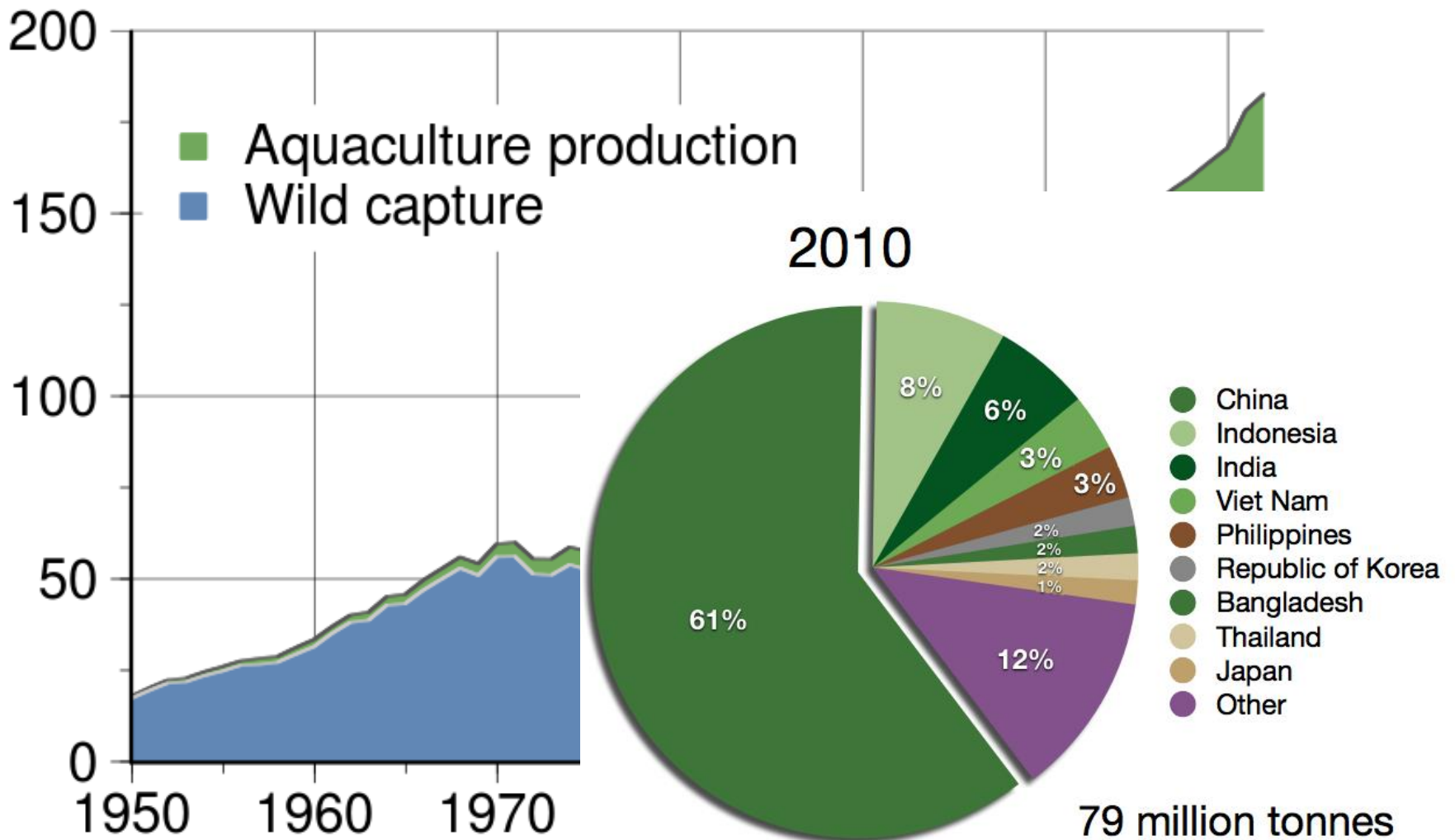


**Is the “N saving” diets still N saving?**

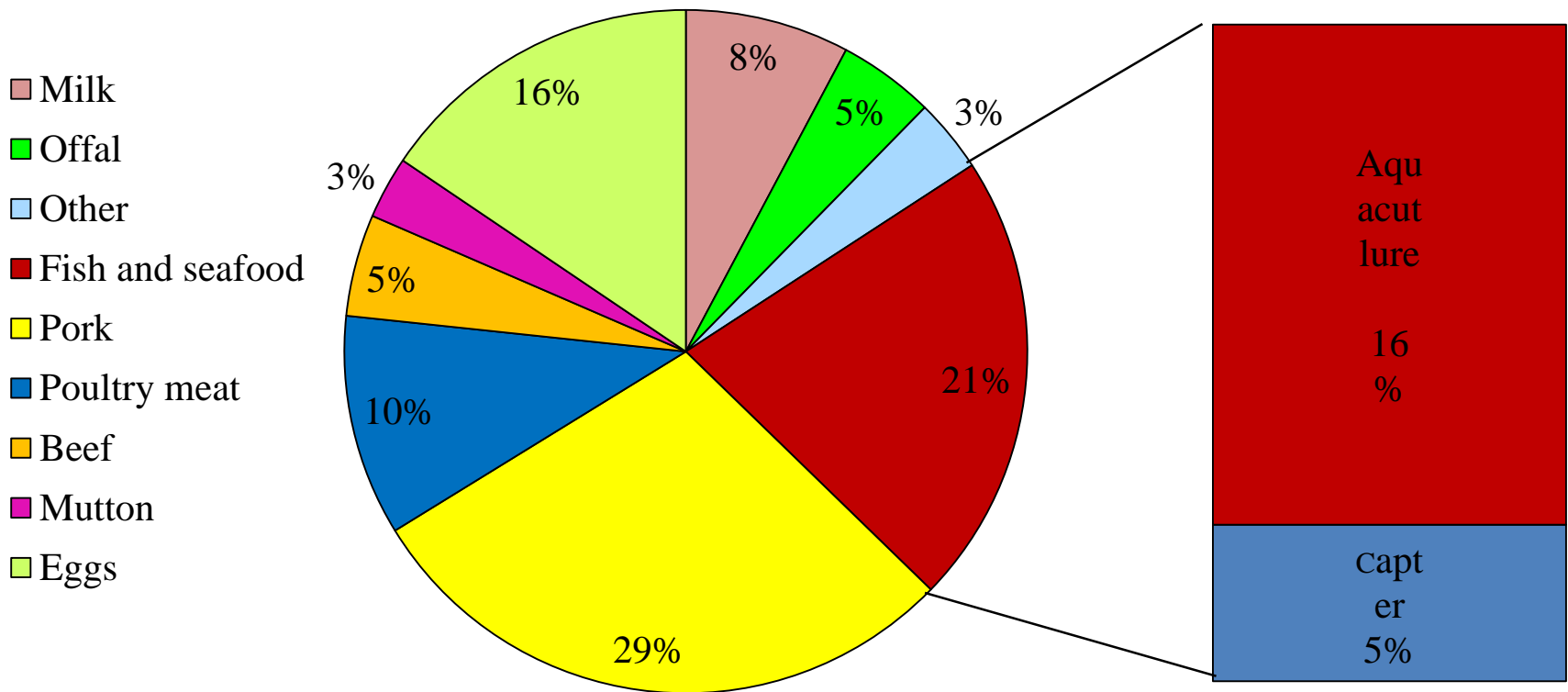


**Is the “Blue harvest” still blue?**





# Animal protein consumption as a percentage of the Chinese dietary intake in 2011 (FAOSTAT)



# Nutrient discharge from China's aquaculture systems

<b>Aquacultural systems</b>	<b>Production (Tg)</b>	<b>TN discharge (Gg)</b>	<b>TP discharge (Gg)</b>
<b>Mariculture</b>	<b>15.5</b>	<b>184</b>	<b>22</b>
<b>Freshwater culture</b>	<b>24.7</b>	<b>859</b>	<b>151</b>

## Comparisons of nutrient discharge in different agricultural systems in China

<b>Agricultural systems</b>	<b>Production (Tg)</b>	<b>TN discharge (Tg)</b>	<b>TP discharge (Tg)</b>
<b>Crops</b>	<b>1161.8</b>	<b>1.6</b>	<b>0.11</b>
<b>Livestock</b>	<b>148.3</b>	<b>1.02</b>	<b>0.16</b>
<b>Aquaculture</b>	<b>40.2</b>	<b>1.04</b>	<b>0.17</b>

# Summary

- Don't miss the aquaculture production in the N assessment;
- Taking wetlands ecosystems into considered at catchment/watershed level especially in developing countries;
- Wetlands are not only sinks but also sources

**Thank you!**