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Aiming at enhanced research capacity in the field of basic science, CAS has adopted a set of policies and measures to encourage original innovation at its institutions.

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About the cover:

An experimental site for *in situ* preservation of Mangrove ecological system in Beihai, southern China. This pilot provides a solution to meeting the two ends of the protection-vs-development dilemma. Read more on page 138. (Photo by SU Bo, MAB)

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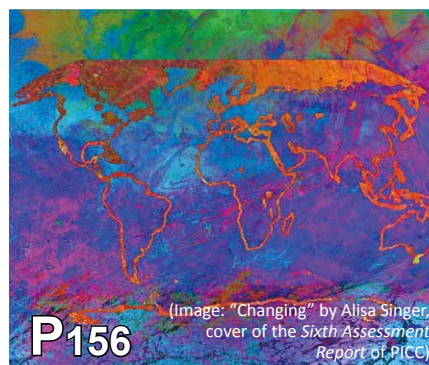
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A team at the CAS Institute of Hydrobiology has fought a way out to save the lives of the Yangtze finless porpoise, which was once seriously endangered, via *ex situ* preservation. (Image: IHB)



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Animals constantly shed DNA into their surroundings, termly environmental DNA or eDNA, and scientists can collect and analyze these DNA “fingerprints” to infer the presence of different species.



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(Image: “Changing” by Alisa Singer, cover of the *Sixth Assessment Report of IPCC*)

To address the climate warming, China has set an ambitious dual carbon target: to have its carbon emissions peak by 2030, and achieve carbon neutrality by 2060. People may wonder how this daunting task can be fulfilled. Here a CAS research group gives their analysis and solution.

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