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Nile nations are sparring over the promises and perils of Ethiopia's Grand Renaissance Dam.

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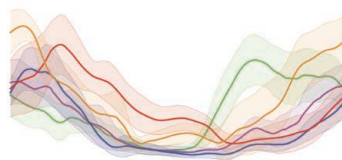
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RESEARCH ARTICLE SUMMARY; FOR FULL TEXT:

[dx.doi.org/10.1126/science.aad4234](http://dx.doi.org/10.1126/science.aad4234)

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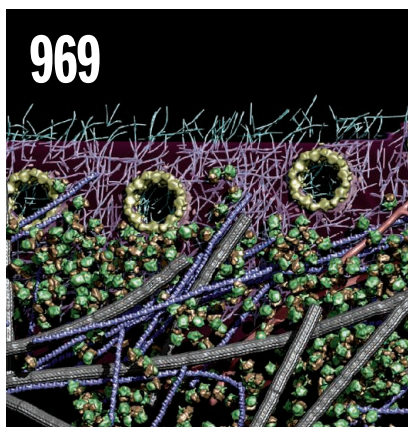
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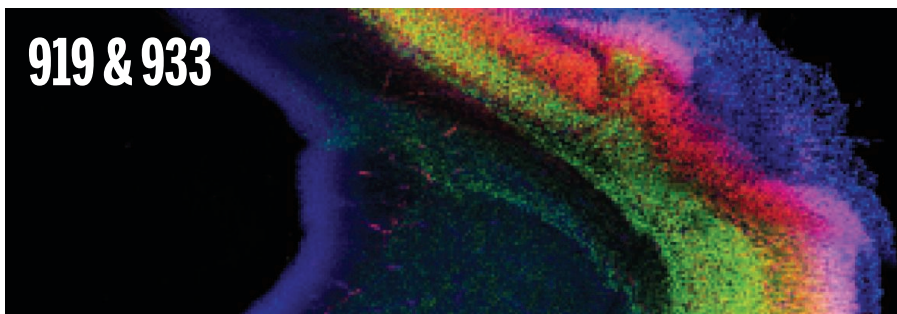
## ON THE COVER



Sunrise over a tropical forest in Brazil. The seasonal patterns of leaf development in Amazonian forests, measured using tower-based cameras above the tree crowns, regulate the patterns of carbon dioxide flux in the forest canopy. Photosynthesis tends to be greatest when the crop of young leaves reaches a peak, rather than depending on precipitation in the rainy season. See page 972.

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