

Journal Club

Horizon Scanning
the future for
Environmental Issues

Read Sutherland, W.J. and Woodroof, H.J., 2009. The need for environmental horizon scanning. *Trends in Ecology & Evolution*, 24(10), pp.523-527.

Sutherland, W.J., Broad, S., Caine, J., Clout, M., Dicks, L.V., Doran, H., Entwistle, A.C., Fleishman, E., Gibbons, D.W., Keim, B. and LeAnstey, B., 2016. A horizon scan of global conservation issues for 2016. *Trends in ecology & evolution*, 31(1), pp.44-53.

Discuss – What is horizon scanning?

How is it different to developing science questions?

Would you have considered the 2016 issues?

What makes them important?

What up-and-coming issues/problems/solutions can you suggest from your field trips and course so far?

- Spend 15 mins reading the papers
- 10 mins discussing ideas with one other person
- 20 mins on group discussion
- 10 mins on list of issues to find out about for next time

Sutherland, W.J., Clout, M., Depledge, M., Dicks, L.V., Dinsdale, J., Entwistle, A.C., Fleishman, E., Gibbons, D.W., Keim, B., Lickorish, F.A. and Monk, K.A., 2015. A horizon scan of global conservation issues for 2015. *Trends in ecology & evolution*, 30(1), pp.17-24.

Sutherland, W.J., Aveling, R., Brooks, T.M., Clout, M., Dicks, L.V., Fellman, L., Fleishman, E., Gibbons, D.W., Keim, B., Lickorish, F. and Monk, K.A., 2014. A horizon scan of global conservation issues for 2014. *Trends in Ecology & Evolution*, 29(1), pp.15-22.

Sutherland, W.J. et al. 2013. A horizon scan of global conservation issues for 2013 *Trends in Ecology & Evolution*, Vol. 28, No. 1. (January 2013), pp. 16-22

Note there are several of these spanning 2010-2016

- Please group up into 5 groups and read the papers from 2010 to 2016 one per group.
- Look at the issues identified pick one of interest and investigate further
- Share papers and information with the group via Moodle
- **Come prepared to discuss on 6th December**

A random selection of useful links

<https://www.gov.uk/government/collections/foresight-projects>

<http://www.conservation.cam.ac.uk/>

<https://www.shapingtomorrow.com>

<http://www.cranfieldfutures.com/>

<http://www.cranfieldfutures.com/anticipating-ecological-tipping-points/>

https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/69446/pb13583-biodiversity-strategy-2020-111111.pdf

<http://www.cranfieldfutures.com/portfolio-items/horizon-scanning-newsletters/>

<http://www.cranfieldfutures.com/wp-content/uploads/2008/10/Project-management-cycle.pdf>

<http://www.cranfieldfutures.com/wp-content/uploads/2013/10/Looking-back-at-looking-forwards.aspx .pdf>

<http://www.cranfieldfutures.com/portfolio-items/historical-defra-resources-2004-2005/>

Palomino, M.A., Bardsley, S., Bown, K., De Lurio, J., Ellwood, P., Holland-Smith, D., Huggins, B., Vincenti, A., Woodroof, H. and Owen, R., 2012. Web-based horizon scanning: concepts and practice. *Foresight*, 14(5), pp.355-373.

https://www.researchgate.net/profile/John_E_Fa/publication/278317159_Key_Topics_in_Conservation_Biology_2/links/558151b408ae47061e5f6835.pdf