Geomojis –
A Global Symbology for
Communicating Geosciences

Claire Shires and Benjamin van Wyk de Vries

A clear pictographic system for everyone to communicate geological hazards effectively

1

By using symbols to represent geohazards, we can communicate these hazards clearly and efficiently.

4

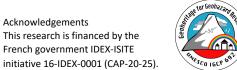
Geomojis can be adapted and modified for the local context and needs, while providing a central, and global, base for comparison.



VAN WYK DE VRIES, B., JERRAM, D., RAPPRICH, V., HARRIS, A., AND MARTIN, D. (2018) Geomojis – a symbolic alphabet to communicate Earth Sciences, EGU General Assembly 2018, Vienna, Austria, 8 April–13 Apr 2018, EGU2018-2951 VAN WYK DE VRIES, B., BYRNE, P., DELCAMP, A., EINARSON, P., ROSE, W. I., VYE, E., & ET. AL. (2017) A global framework for the Earth: putting geological sciences in context. Global and Planetary Change, 171, 293-321.

They are a dual-purpose tool: visually alerting the public to

a risk and providing an important educational resource.











Geomojis bridge the gap between simple

symbols and words,

crossing language

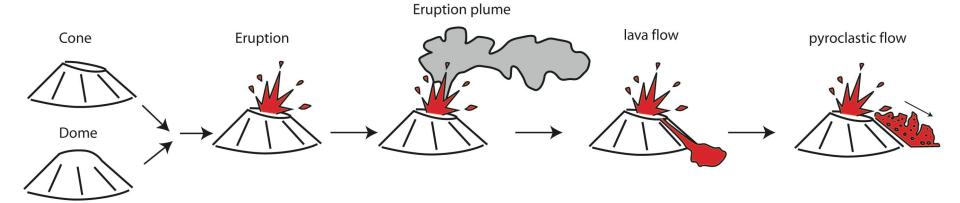
borders by

representing concepts

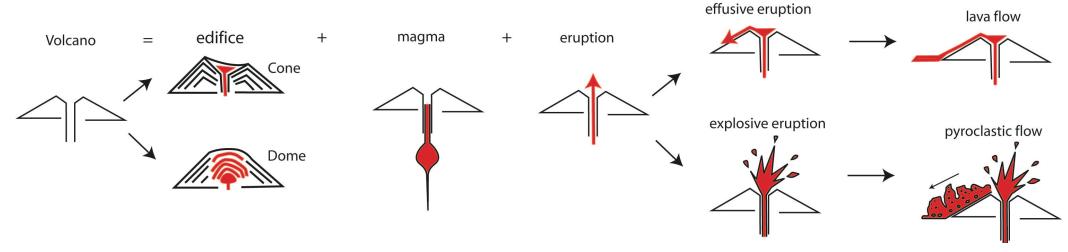
important for

understanding and reacting to risks.





Definition of a volcano (Borgia et al. 2010 What is a volcano? doi: 10.1130/2010.2470(01).)





Geomojis – A Global Symbology for Communicating Geosciences

Claire Shires & Benjamin van Wyk de Vries

Van Wyk De Vries, B., Jerram, D., Rapprici, V., Harris, A., and Martin, D. (2018) Geomojis — a symbolic alphabet to communicate Earth Sciences, EGU General Assembly 2018, Vienna, Austria, 8 April—13 Apr 2018, EGU2018-2951.

Van Wyk De Vries, B., Byrne, P., Delcamp, A., Einarson, P., Rose, W. I., Vye, E., & et. Al. (2017) A global framework for the Earth: putting geological sciences in context. Global and Planetary Change, 171, 293-321.

Acknowledgements

Thanks to the members of the Cloudburst dictionary project: Friederike Spitzl-Dupic, Michaël Grégoire, Dana Martin. This research is financed by the French government IDEX-ISITE initiative 16-IDEX-0001 (CAP-20-25).











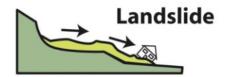


Rock Fall Landslide / Rock avalanche Landslip

Mass Movement Mojis













Geomojis – A Global Symbology for Communicating Geosciences

Claire Shires & Benjamin van Wyk de Vries

Van Wyk De Vries, B., Jerram, D., Rapprich, V., Harris, A., and Martin, D. (2018) Geomojis – a symbolic alphabet to communicate Earth Sciences, EGU General Assembly 2018, Vienna, Austria, 8 April-13 Apr 2018, EGU2018-2951. VAN WYK DE VRIES, B., BYRNE, P., DELCAMP, A., EINARSON, P., ROSE, W. I., VYE, E., & ET. AL. (2017) A global framework for the Earth: putting geological sciences in context. Global and Planetary Change, 171, 293-321.



Thanks to the members of the Cloudburst dictionary project: Friederike Spitzl-Dupic, Michaël Grégoire, Dana Martin. This research is financed by the French government IDEX-ISITE initiative 16-IDEX-0001 (CAP-20-25).



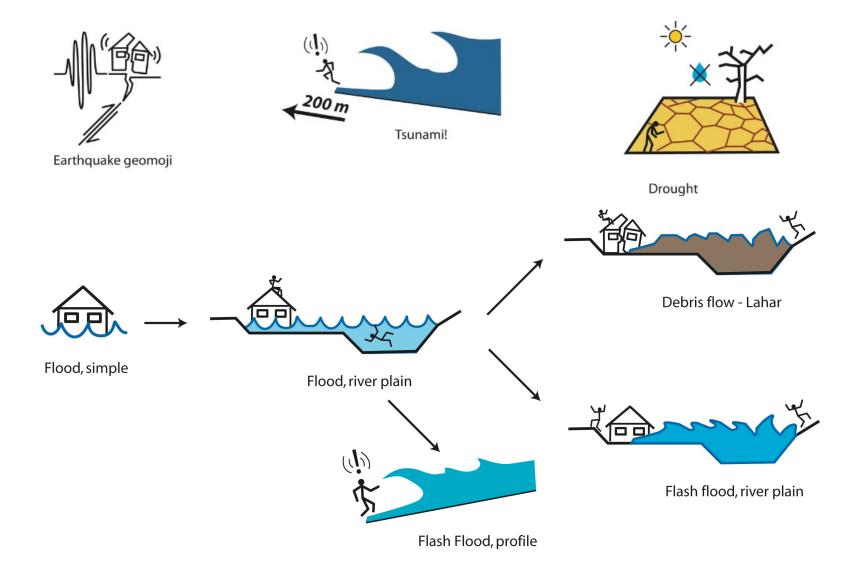














Geomojis – A Global Symbology for Communicating Geosciences Claire Shires & Benjamin van Wyk de Vries

Van Wyk De Vries, B., Jerram, D., Rapprich, V., Harris, A., and Martin, D. (2018) Geomojis – a symbolic alphabet to communicate Earth Sciences, EGU General Assembly 2018, Vienna, Austria, 8 April-13 Apr 2018, EGU2018-2951. VAN WYK DE VRIES, B., BYRNE, P., DELCAMP, A., EINARSON, P., ROSE, W. I., VYE, E., & ET. AL. (2017) A global framework for the Earth: putting geological sciences in context. Global and Planetary Change, 171, 293-321.

Acknowledgements

Thanks to the members of the Cloudburst dictionary project: Friederike Spitzl-Dupic, Michaël Grégoire, Dana Martin. This research is financed by the French government IDEX-ISITE initiative 16-IDEX-0001 (CAP-20-25).



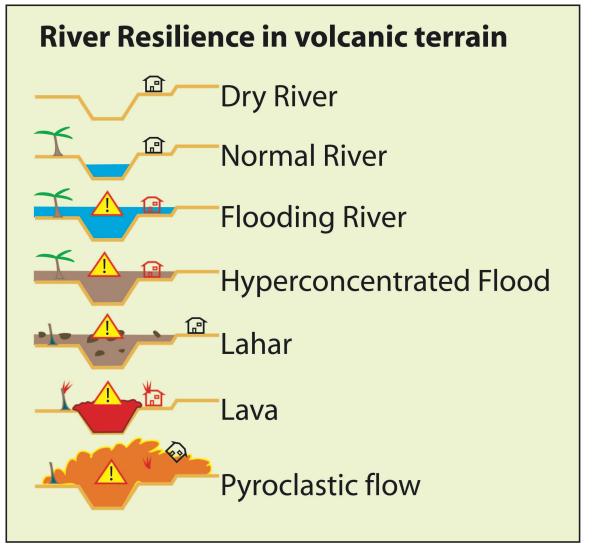












EXAMPLE FOR RISK COMMUNICATION



Geomojis – A Global Symbology for Communicating Geosciences

Claire Shires & Benjamin van Wyk de Vries

Van Wyk De Vries, B., Jerram, D., Rapprich, V., Harris, A., and Martin, D. (2018) Geomojis — a symbolic alphabet to communicate Earth Sciences, EGU General Assembly 2018, Vienna, Austria, 8 April—13 Apr 2018, EGU2018-2951.

Van Wyk De Vries, B., Byrne, P., Delcamp, A., Einarson, P., Rose, W. I., Vye, E., & ET. Al. (2017) A global framework for the Earth: putting geological sciences in context. Global and Planetary Change, 171, 293-321.

Acknowledgements

Thanks to the members of the Cloudburst dictionary project: Friederike Spitzl-Dupic, Michaël Grégoire, Dana Martin. This research is financed by the French government IDEX-ISITE initiative 16-IDEX-0001 (CAP-20-25).





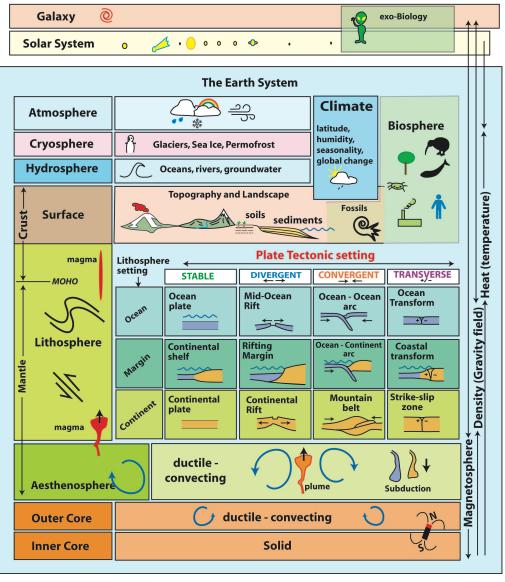








A Simplified Geological framework for the Earth and Envrionments





Geomojis – A Global Symbology for Communicating Geosciences

Claire Shires & Benjamin van Wyk de Vries

Van Wyk De Vries, B., Jerram, D., Rapprich, V., Harris, A., and Martin, D. (2018) Geomojis — a symbolic alphabet to communicate Earth Sciences, EGU General Assembly 2018, Vienna, Austria, 8 April—13 Apr 2018, EGU2018-2951.

Van Wyk De Vries, B., Byrne, P., Delcamp, A., Einarson, P., Rose, W. I., Vye, E., & et. Al. (2017) A global framework for the Earth: putting geological sciences in context. Global and Planetary Change, 171, 293-321.

Acknowledgements

Thanks to the members of the Cloudburst dictionary project: Friederike Spitzl-Dupic, Michaël Grégoire, Dana Martin. This research is financed by the French government IDEX-ISITE initiative 16-IDEX-0001 (CAP-20-25).











