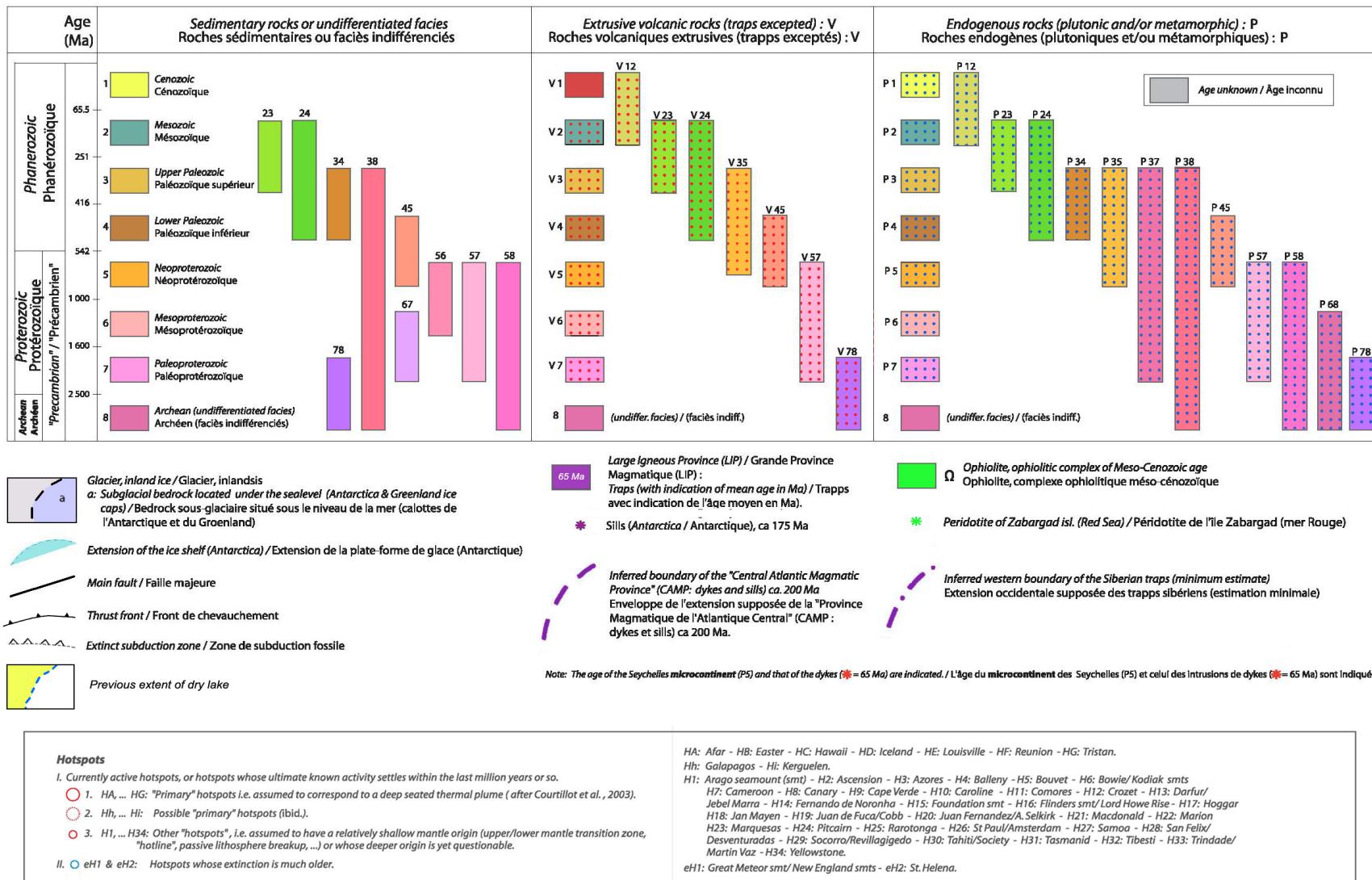


# GEOLOGICAL GLOBE OF THE WORLD

## GLOBE GÉOLOGIQUE DU MONDE

### ONSHORE AREAS / ZONES ÉMERGÉES

(except Iceland / sauf Islande)



#### Hotspots

- I. Currently active hotspots, or hotspots whose ultimate known activity settles within the last million years or so.
- 1. HA... HG: "Primary" hotspots i.e. assumed to correspond to a deep seated thermal plume (after Courtillot et al., 2003).
  - 2. Hh... Hi: Possible "primary" hotspots (ibid.).
  - 3. H1... H34: Other "hotspots", i.e. assumed to have a relatively shallow mantle origin (upper/lower mantle transition zone, "hotline", passive lithosphere breakup, ...) or whose deeper origin is yet questionable.
- II. eH1 & eH2: Hotspots whose extinction is much older.

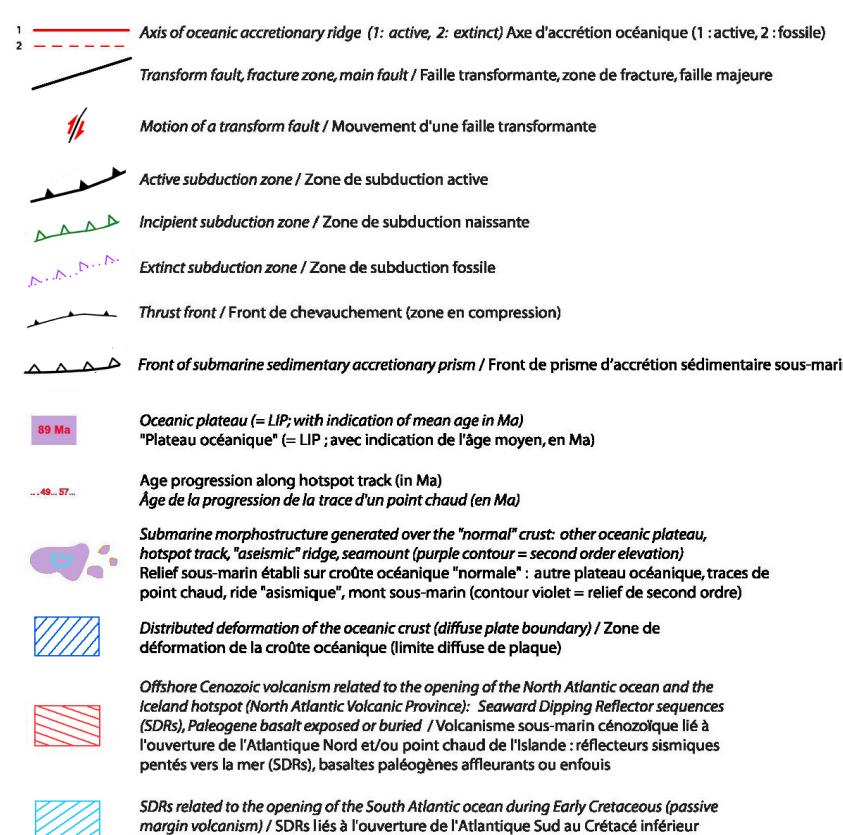
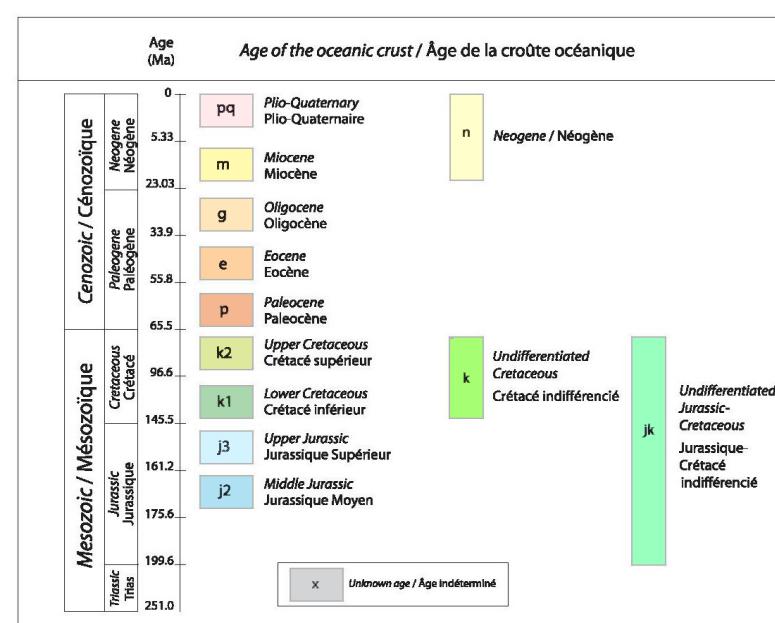
HA: Afar - HB: Easter - HC: Hawaii - HD: Iceland - HE: Louisville - HF: Réunion - HG: Tristan.

HH: Galapagos - HI: Kerguelen.  
H1: Arago seamount (smt) - H2: Ascension - H3: Azores - H4: Balleny - H5: Bouvet - H6: Bowie/Kodiak smts  
H7: Cameroon - H8: Canary - H9: Cap Verde - H10: Caroline - H11: Comores - H12: Crozet - H13: Darfur/  
Jebel Marra - H14: Fernando de Noronha - H15: Foundation smt - H16: Flinders smt/Lord Howe Rise - H17: Hoggar  
H18: Jan Mayen - H19: Juan de Fuca/Cobb - H20: Juan Fernandez/A. Selkirk - H21: Macdonald - H22: Marion  
H23: Marquesas - H24: Pitcairn - H25: Rarotonga - H26: St Paul/Amsterdam - H27: Samoa - H28: San Félix/  
Desventuradas - H29: Socorro/Revillagigedo - H30: Tahiti/Society - H31: Tasmanid - H32: Tibesti - H33: Trindade/  
Martin Vaz - H34: Yellowstone.

eH1: Great Meteor smt/New England smts - eH2: St. Helena.

### OFFSHORE AREAS / ZONES SOUS-MARINES

(including Iceland / Islande incluse)



Chronostratigraphic ages of the oceanic crust interpolated from digitized files by Müller R.D. et al. (1977) / Âges chronostratigraphiques de la croûte océanique interpolés à partir des fichiers numériques de Müller R.D. et al. (1977).

The ages are given in million years (Ma), according to the Geologic Time Scale 2008 of the International Commission on Stratigraphy (ICS) / Les âges, en millions d'années (Ma), sont tirés de l'Echelle des Temps Géologiques 2008 de la Commission Internationale de Stratigraphie (ICS).

The drawing, on this map, of the outer boundary of the continental margin (light blue line) is still largely imprecise or conjectural and has no legal force in the framework of the United Nations Convention of the Law of the Sea (UNCLOS). Le dessin, sur cette carte, de la limite externe de la marge continentale (ligne bleu clair) est encore imprécis ou largement conjectural, et ne saurait avoir une quelconque valeur juridique dans le cadre de la Convention des Nations Unies sur le droit de la mer (UNCLOS).

#### Points chauds

- I. Points chauds actifs, où dont la cessation d'activité ne remonte guère au delà du million d'années.
- 1- HA... HG: Points chauds "primaires" supposés correspondre à un panache d'origine profonde (d'après Courtillot et al., 2003)
  - 2- Hh... Hi : Points chauds "primaires" possibles (ibid.).
  - 3- H1... H34: Autres "points chauds" pouvant avoir une origine relativement peu profonde dans le manteau (p. ex. zone de transition manteau supérieur/manteau inférieur, "ligne chaude", rupture passive de la lithosphère, ...) ou ceux dont la réalité est mise en doute.
- II. eH1 & eH2: Points chauds dont la cessation d'activité est beaucoup plus ancienne.

HA: Afar - HB: Ile de Pâques - HC: Hawaï - HD: Islande - HE: Louisville - HF: Réunion - HG: Tristan.

HH: Galapagos - HI: Kerguelen.  
H1: Mont sous-marin (Msm) Arago - H2: Ascension - H3: Açores - H4: Balleny - H5: Bouvet - H6: Msm Bowie/ Kodiak - H7: Cameroun  
H8: Canaries - H9: Cap Vert - H10: Carolines - H11: Comores - H12: Crozet - H13: Darfur/Jebel Marra - H14: Fernando de Noronha - H15: Msm Foundation - H16: Msm Flinders/Lord Howe Rise - H17: Hoggar - H18: Jan Mayen - H19: Juan de Fuca/Cobb  
H20: Juan Fernandez/A. Selkirk - H21: Macdonald - H22: Marion - H23: Marquesas - H24: Pitcairn - H25: Rarotonga - H26: St Paul/Amsterdam - H27: Samoa - H28: San Félix/Desventuradas - H29: Socorro/Revillagigedo - H30: Tahiti/Society - H31: Tasmanid - H32: Tibesti - H33: Trindade/Martin Vaz - H34: Yellowstone.

eH1: Msm Great Meteor/ New England - eH2: Ste Hélène.