

# Indian Plate stratigraphic units: On-line open-access database (Lexicon), including options to display sediment and volcanic facies onto plate reconstructions

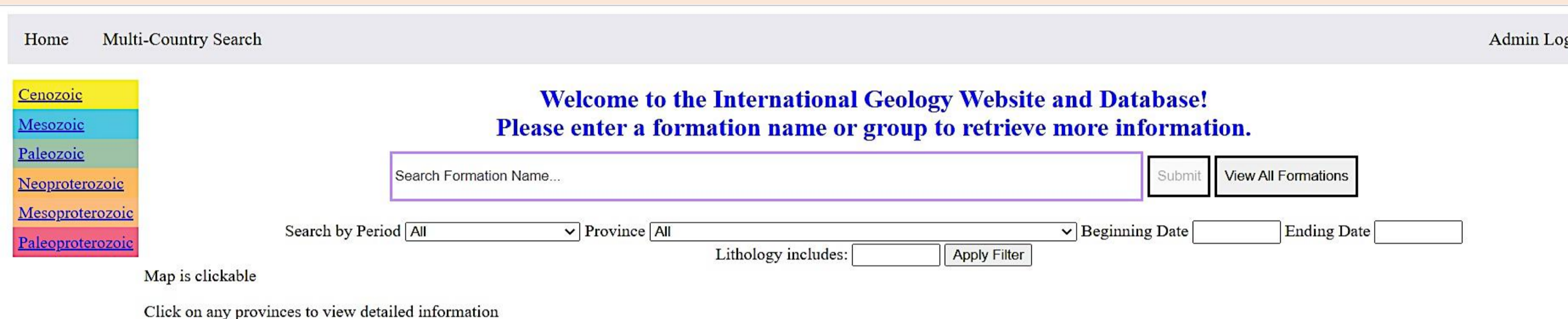
O'Neil Mamallapalli<sup>1</sup>, DSN Raju<sup>2</sup>, Nallapa Reddy Addula<sup>3</sup>, Nusrat K. Siddiqui<sup>4</sup>, James G. Ogg<sup>5</sup>, Om N Bhargava<sup>6</sup>, Birendra P Singh<sup>7</sup>, Gabriele Ogg<sup>8</sup>, Sabrina Chang<sup>9</sup>, Wen Du<sup>10</sup>, Suyash Mishra<sup>11</sup>, Aaron Ault<sup>12</sup>

\*1,5-IUGS Deep-Time Digital Earth, ([oneil.rhylet@gmail.com](mailto:oneil.rhylet@gmail.com); [jogg@purdue.edu](mailto:jogg@purdue.edu)) \*2-ONGC, Dehradun, India, \*3-ONGC, Chennai, India, \*4-University of the Punjab, \*6-Indian National Science Academy, \*7-Panjab University, \*8-Geologic TimeScale Foundation, \*9,11,12-Purdue University, \*10-The University of Sydney

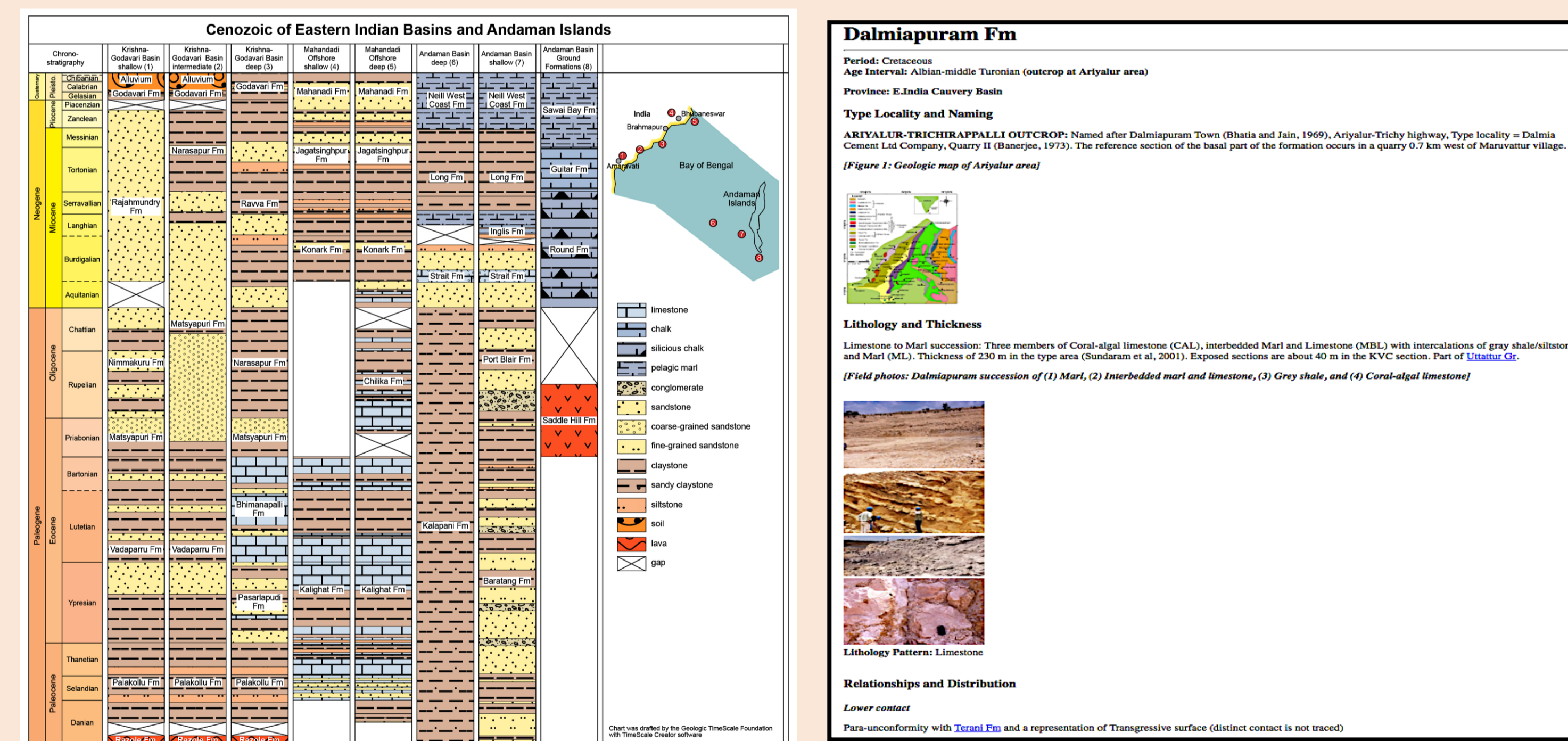
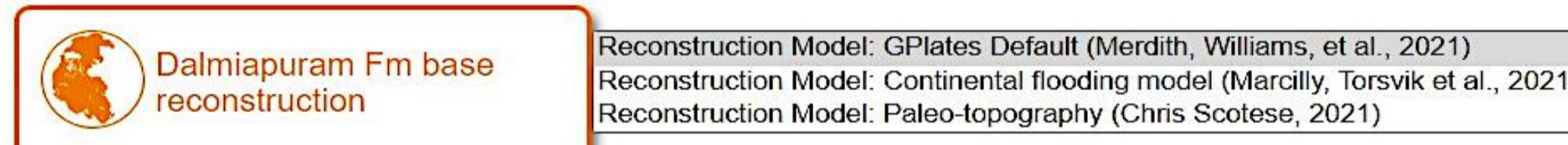
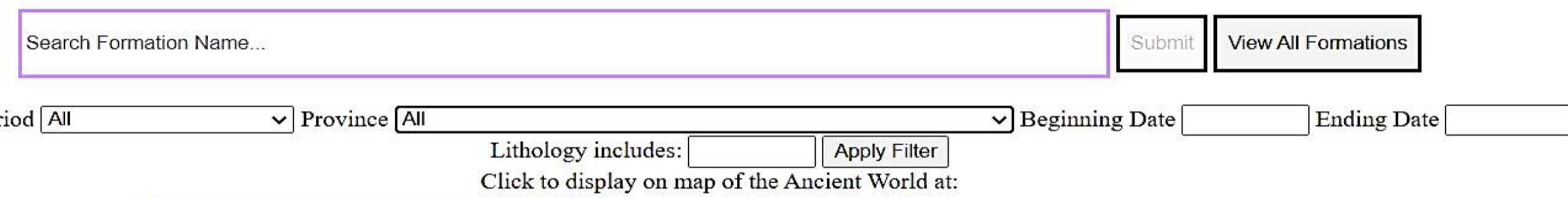


## INFORMATION AT A CLICK

[indplex.geolex.org/index.php](http://indplex.geolex.org/index.php)

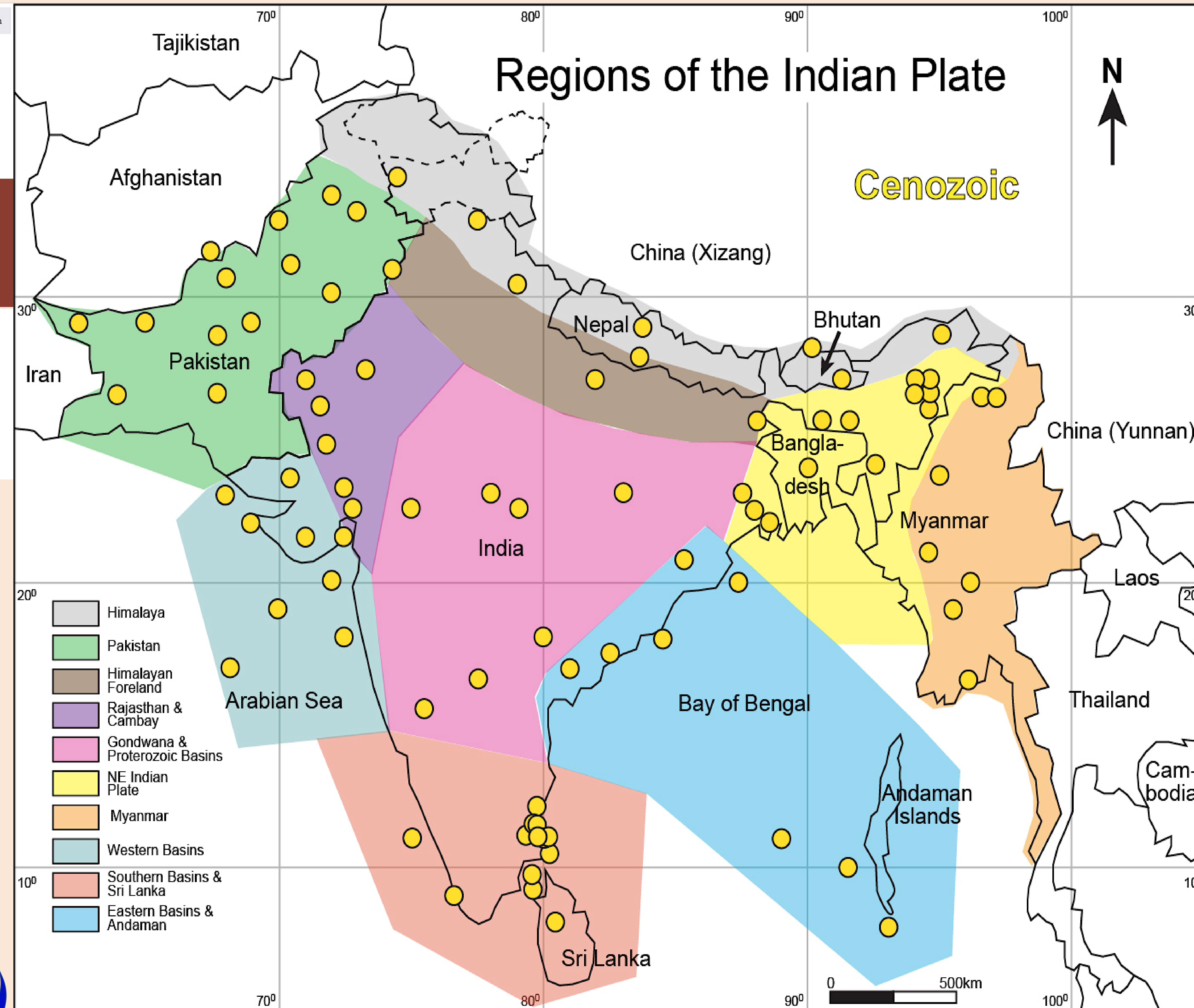


Search by name, part of name, period, province, date (in Ma), lithology or any combination of these filters



'ON THE FLY' WEBPAGES  
Easy navigation from Fm to Fm  
or Fm to Gr via hotlinks

Gollapalli Fm	Bhadasar Fm	Pennar Fm	Nellore Fm	Chikiala Fm	Tailuog Fm
Jhuran Fm	Baisakhi Fm	Chichali Fm	Wagad Sandstone Fm	Nupra Fm	Notia Fm
Saifi Fm	Andimadam Fm	Bagra Fm	Danoar Fm	Washtawa Fm	
Jumara Fm	Goradongar Fm	Tabbowa-Andigama Gr	Chebesa Fm	Ferrous Oolite Fm	Jaisalmer Fm
Isha Fm	Drunyam Fm	Jhuria Fm	Khadir Fm	Barung Fm	Lingahi Gr
Mo Chu Fm	Luna Fm	Kaladongar Fm	Samana Suk Fm	Kaladongar Fm	Lodai Fm
Paolaung Fm	Kota Fm	Anjira Fm	Shinawari Fm	Takatu Fm	Sarobi Fm
Loralai Fm	Malikhore Fm	Kiolo Limestone Fm	Sainowar Fm	Datta Fm	Kharai Fm
Taglino Fm	Lathi Fm	Shirinab Fm	Nirona Fm	Thini Fm	Dharmaram Fm
Para Fm	Nunatuka Fm	Alaror Fm	Yak Kharka Fm	Happoang Fm	Taraz Fm
Rangrik Fm	Rasfal Limestone Unit Fm	Parsora Fm	Wuyani Fm	Ronglong Fm	Rama Fm
Tiki Fm	Maleri Fm	Kinorali Fm	Saola Fm	Burisa Fm	Chomule Fm
Keqa Fm	Bheemaram Fm	Denwa Fm	Khruh Fm	Mukul Fm	Trelian Fm
Wilgali Fm	Mandapeta Fm	Chak Jabbi Limestone Fm	Nattek Limestone Fm	Nwabanyi Dolomite Fm	Yerrapalli Fm



Cloud-based lexicon with map-based and stratigraphic-based user interfaces for Indian Plate. (with a page on each of ca. 1000 geologic formations)



Reconstruction Model: GPlates Default (Merdith, Williams, et al., 2021)  
Reconstruction Model: Continental flooding model (Marcilly, Torsvik et al., 2021)  
Reconstruction Model: Paleo-topography (Chris Scotese, 2018)

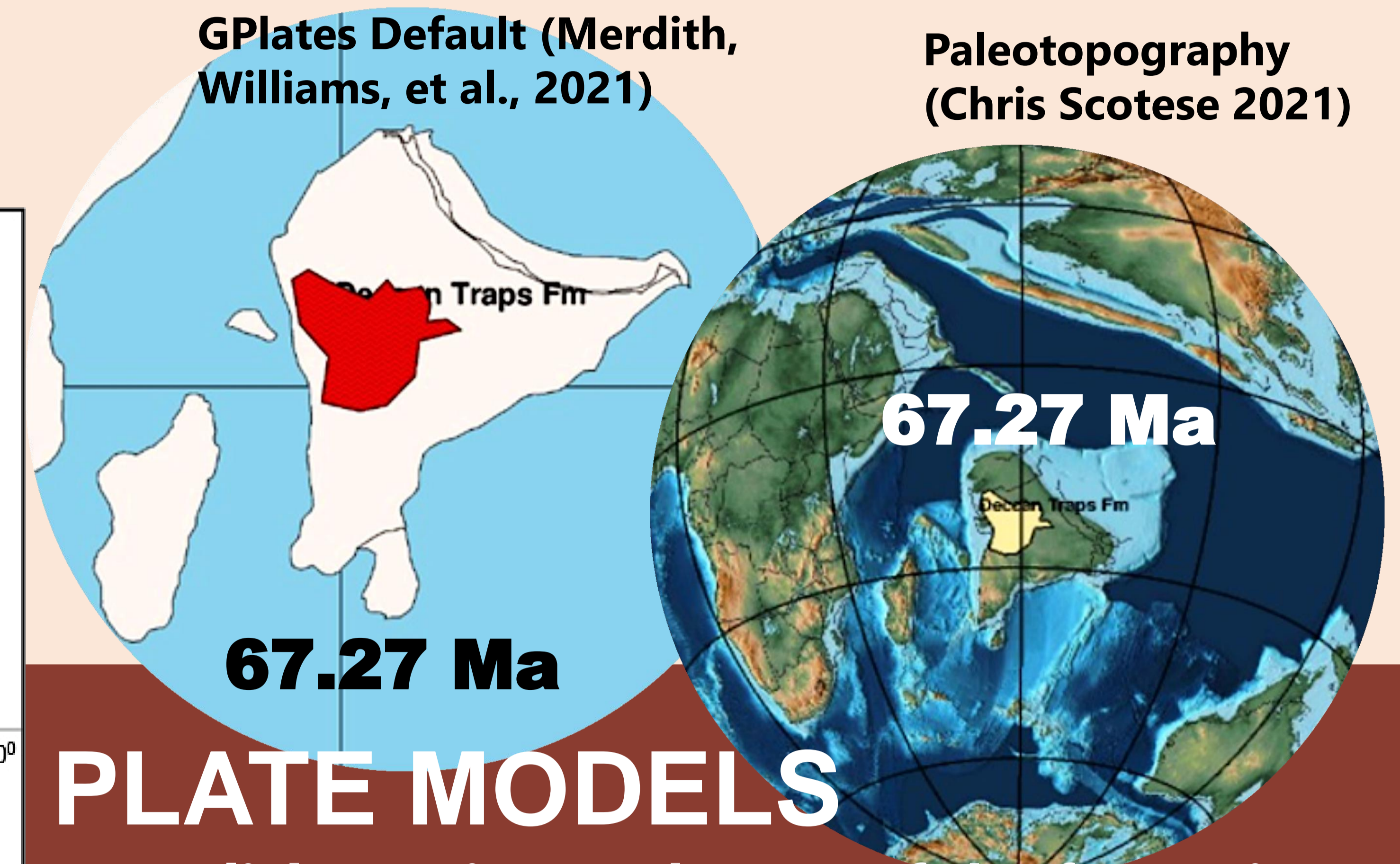
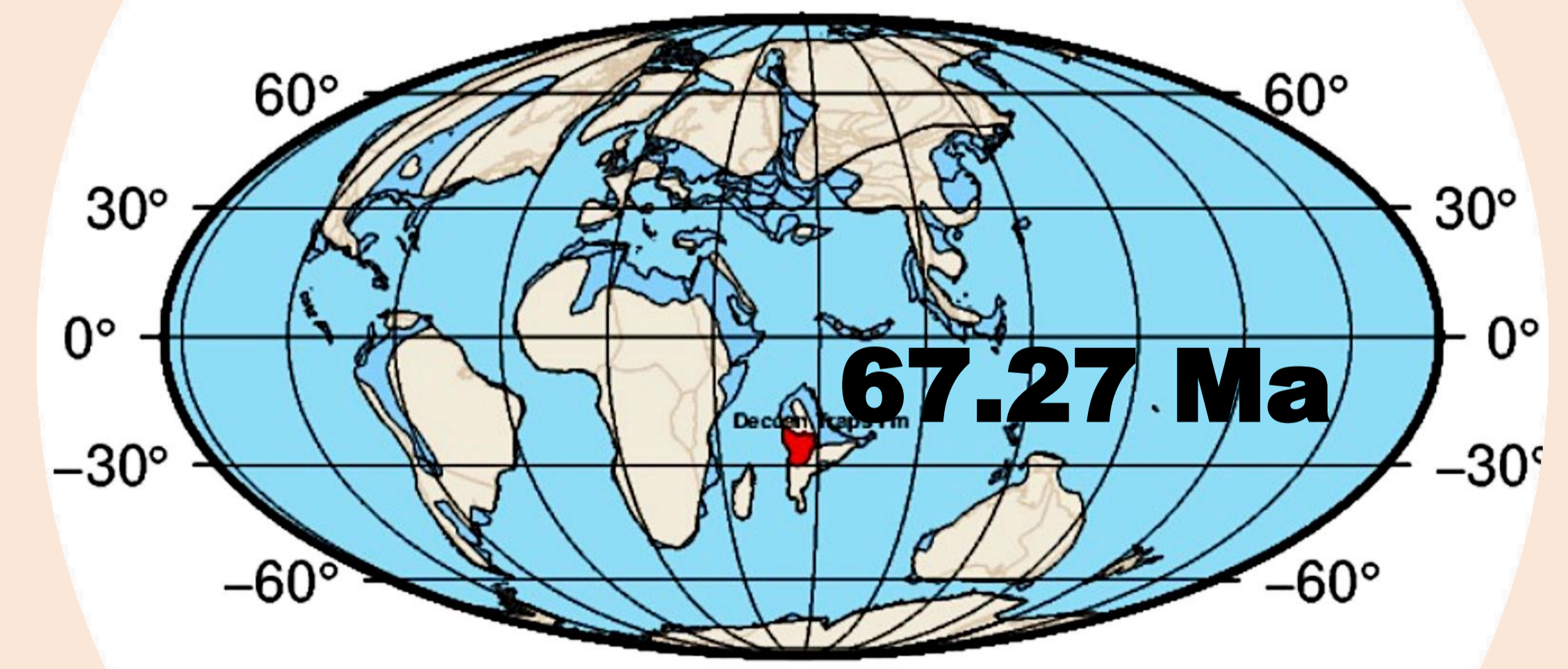


PLATE MODELS  
"one-click" option at the top of the formation's webpage to select which plate-tectonic model to apply, and then the corresponding geographic image(s) is returned.



ENTIRE DATABASE SEARCH SYSTEM  
That search system locates all formations that fit a desired geologic stage, specific date or age span; and then the user can click on the individual formation names to go to the appropriate website page.

