



GIANLUCA CORNAMUSINI

Principali temi di ricerca

- Cartografia geologica del Sedimentario (Appennino toscano, emiliano-romagnolo e umbro-marchigiano, Corsica orientale)
- Analisi stratigrafica ad alta risoluzione dei bacini sedimentari post-collisionali nordappenninici
- Architettura deposizionale e stratigrafia di sistemi torbiditici in bacini di avampaese (Appennino Settentrionale, Corsica)
- Architettura deposizionale, stratigrafia e sedimentologia di sistemi fluvio-lacustri e marino-marginali (Appennino Settentrionale, Corsica orientale, Mar Tirreno settentrionale-Arcipelago toscano, Etiopia centrale e settentrionale-Tigrai, Montagne Transantartiche-Terra Vittoria-Antartide)
- Studi di provenienza clastica (Appennino Settentrionale, Corsica orientale, Mar Tirreno settentrionale, Etiopia settentrionale, Montagne Transantartiche-Terra Vittoria, Mare di Ross-Antartide)
- Evoluzione deposizionale e relazioni tra sedimentazione e tettonica nei sistemi orogenici e post-orogenici (Appennino Settentrionale, Corsica alpina, Altopiano etiopico, Montagne Transantartiche, Rift Terra Vittoria)

Main research topics

- Sedimentary geological mapping (Tuscan, Emilia-Romagna and Umbro-Marchean Apennines, eastern Corsica)
- High-resolution stratigraphical analyses of the Northern Apennines post-collisional sedimentary basins
- Depositional architecture and stratigraphy of foreland turbidite systems (Northern Apennines, Corsica)
- Depositional architecture, stratigraphy and sedimentology of fluvial-lacustrine and transitional-shallow marine systems (Northern Apennines, eastern Corsica, Northern Tyrrhenian Sea-Tuscan Archipelago, central and northern Ethiopia-Tigray, Transantarctic Mountains-Victoria Land-Antarctica)
- Clastic provenance studies (Northern Apennines, eastern Corsica, Northern Tyrrhenian Sea, northern Ethiopia, Transantarctic Mountains-Victoria Land, Ross Sea-Antarctica)
- Depositional evolution and relationships between tectonics and sedimentation and in orogenic and post-orogenic systems (Northern Apennines, Alpine Corsica, Ethiopia Highlands, Transantarctic Mountains, Victoria Land Rift)

Pubblicazioni recenti e più significative (dal 2008) (per tutte le pubblicazioni consultare il sito U-GOV)

Recent and meaningful publications (since 2008) (for the whole publications link the U-GOV website)

- CORNAMUSINI, G., FORESI, L.M., DALL'ANTONIA, B., BOSSIO, A., MAZZEI, R., SALVATORINI, G., 2013 submitted. The Miocene of the Pianosa Island: a key for the puzzle on the opening of the Northern Tyrrhenian back-arc basin (Central Mediterranean). Submitted to *Journal of the Geological Society*.

- IELPI, A., CORNAMUSINI, G., 2013 submitted. Basin-scale architecture and complex unconformity generation in syn-rift nonmarine tracts – The late Miocene SE Volterra Basin, Italy. Submitted to *Journal of Sedimentary Research*.
- CORNAMUSINI, G., PASCUCCHI, V., 2013 accepted. Sedimentation in the Northern Apennines-Corsica tectonic knot (Northern Tyrrhenian Sea, Central Mediterranean): offshore drilling data from the Elba-Pianosa Ridge. *International Journal of Earth Sciences* (accepted for publish).
- IELPI, A., CORNAMUSINI, G., 2013. An outer ramp to basin plain transect: Interacting pelagic and calciturbidite deposition in the Eocene-Oligocene of the Tuscan Domain, Adria Microplate (Italy). *Sedimentary Geology*, 294, 83-104.
- CONTI, P., CARMIGNANI, L., CORNAMUSINI, G., PIRRO, A., 2013. The Geological Map of Tuscany (Italy). *Journal of Maps*, 2013.
- CORNAMUSINI, G., OLIVETTI, V., TALARICO, F.M., 2013. Overview on the stratigraphic and sedimentological features of the Permian-Mesozoic continental successions of the Northern Victoria Land (Transantarctic Mountains, Antarctica). *I.A.S. Meeting Manchester* 2013.
- CORNAMUSINI, G., IELPI, A., BONCIANI, F., CALLEGARI, I., CONTI, P., 2012. Geological Map of the Chianti Mts. (Northern Apennines, Italy). *Journal of Maps* 8, 22-32.
- IELPI, A., CORNAMUSINI, G., 2012. A progressive unconformity-bounded stratigraphic unit within extensional settings, SE Volterra Basin, Italy. *Rendiconti Online Società Geologica Italiana*, 21, 1047-1049.
- SANDRELLI, F., BIANCHI, V., BILLI, P., CORNAMUSINI, G., GHINASSI, M., IELPI, A., 2012. The Antalo Group – Amba Aradam Fm. transition in Central Ethiopia: a Late Jurassic-Cretaceous regression cycle within the Gondwana break up. *I.A.S. Meeting Schladming*.
- IELPI, A., BIANCHI, V., BILLI, P., CORNAMUSINI, G., GHINASSI, M., SANDRELLI, F., 2012. The Paleozoic?-Triassic Adigrat Sandstones in Northern Ethiopia: some new sedimentological and stratigraphical considerations. *I.A.S. Meeting Schladming*.
- CORNAMUSINI, G., FORESI, L.M., MASSA, G., BONCIANI, F., CALLEGARI, I., DA PRATO, S., IELPI, A., 2011. The Miocene of the Fiora Hills: insights about the development of the late Cenozoic minor basins of the Southern Tuscany. *Italian Journal of Geosciences*, 130, 404-424.
- BAMBINI, A.M., BROGI, A., CORNAMUSINI, G., COSTANTINI, A., FORESI, L.M., LAZZAROTTO, A., 2010. Geologia dell'area di Rapolano Terme in Provincia di Siena (Appennino Settentrionale). *Italian Journal of Geosciences*, 129, 457-495.
- COLTORTI, M., RAVANI, S., CORNAMUSINI, G., IELPI, A., VERRAZZANI, F., 2009. A sagging along the eastern Chianti Mts., Italy. *Geomorphology*, 112, 15-26.
- CORNAMUSINI, G., IELPI, A., BONCIANI, F., CALLEGARI, I., CONTI, P., 2011. Thrusting, strike-slip tectonics and stratigraphic architecture in a thrust-belt belt (Chianti Mts, Northern Apennines). *Rendiconti Online della Società Geologica Italiana* 15, 47-50.
- BAMBINI, A.M., BROGI, A., CORNAMUSINI, G., COSTANTINI, A., LAZZAROTTO, A., 2009. Nuovi dati litostratigrafici e biostratigrafici sulla Scaglia Toscana nella Toscana Meridionale (area di Rapolano Terme). *Italian Journal of Geosciences* 128, 669-693.
- PANTER KS, TALARICO FM, BASSETT K, DEL CARLO P, FIELD B, FRANK T, HOFFMANN S, KUHN G, REICHEL T, SANDRONI S, TAVIANI M, BRACCIALI L, CORNAMUSINI G, VON EYNATTEN H, ROCCHI S, ANDRILL-SMS SCIENCE TEAM, 2008-2009. Petrologic and Geochemical Composition of the AND-2A Core, ANDRILL Southern McMurdo Sound Project, Antarctica. *Terra Antarctica*, 15/1, 147-192.