

Throughflow
Network Training Activity 6
Carboneras, Spain, 30.09. – 7.10. 2012.



MIOCENE REEFS IN THE MAHAKAM DELTA IN EAST KALIMANTAN, BORNEO, INDONESIA

Vedrana Pretković

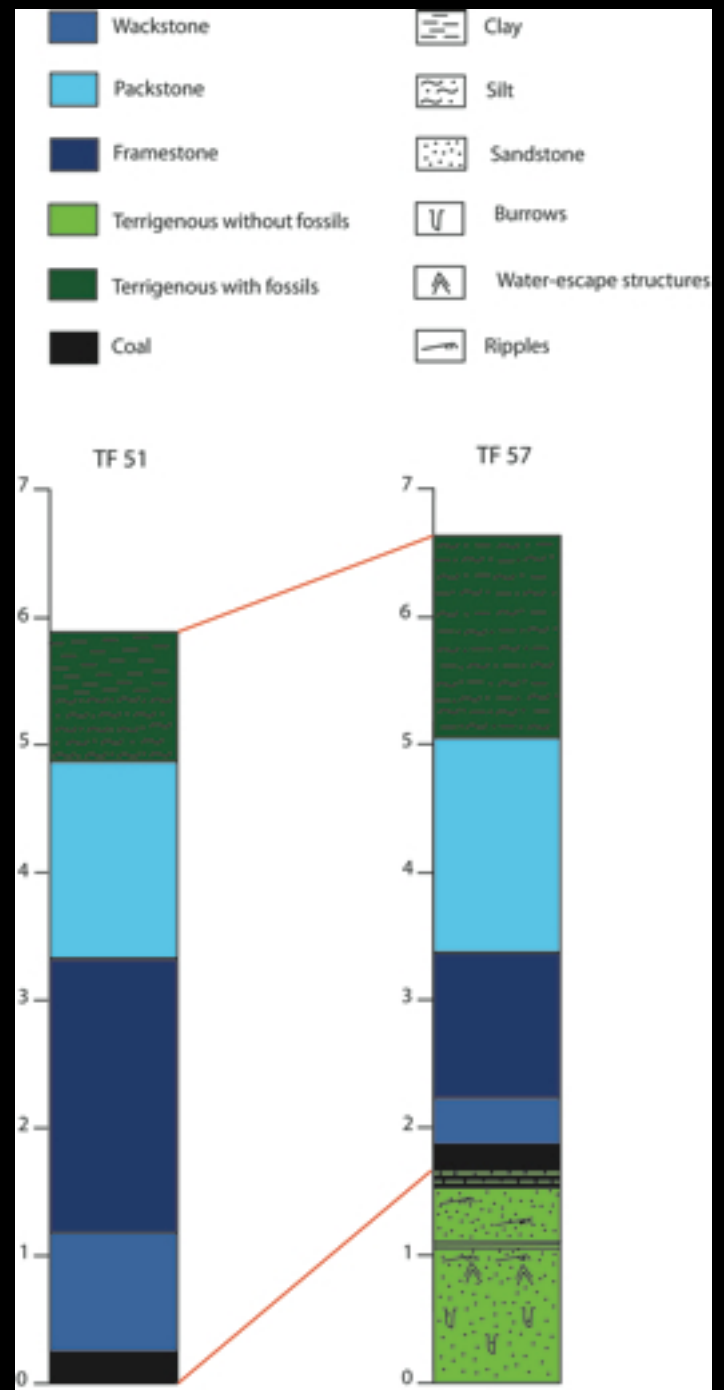
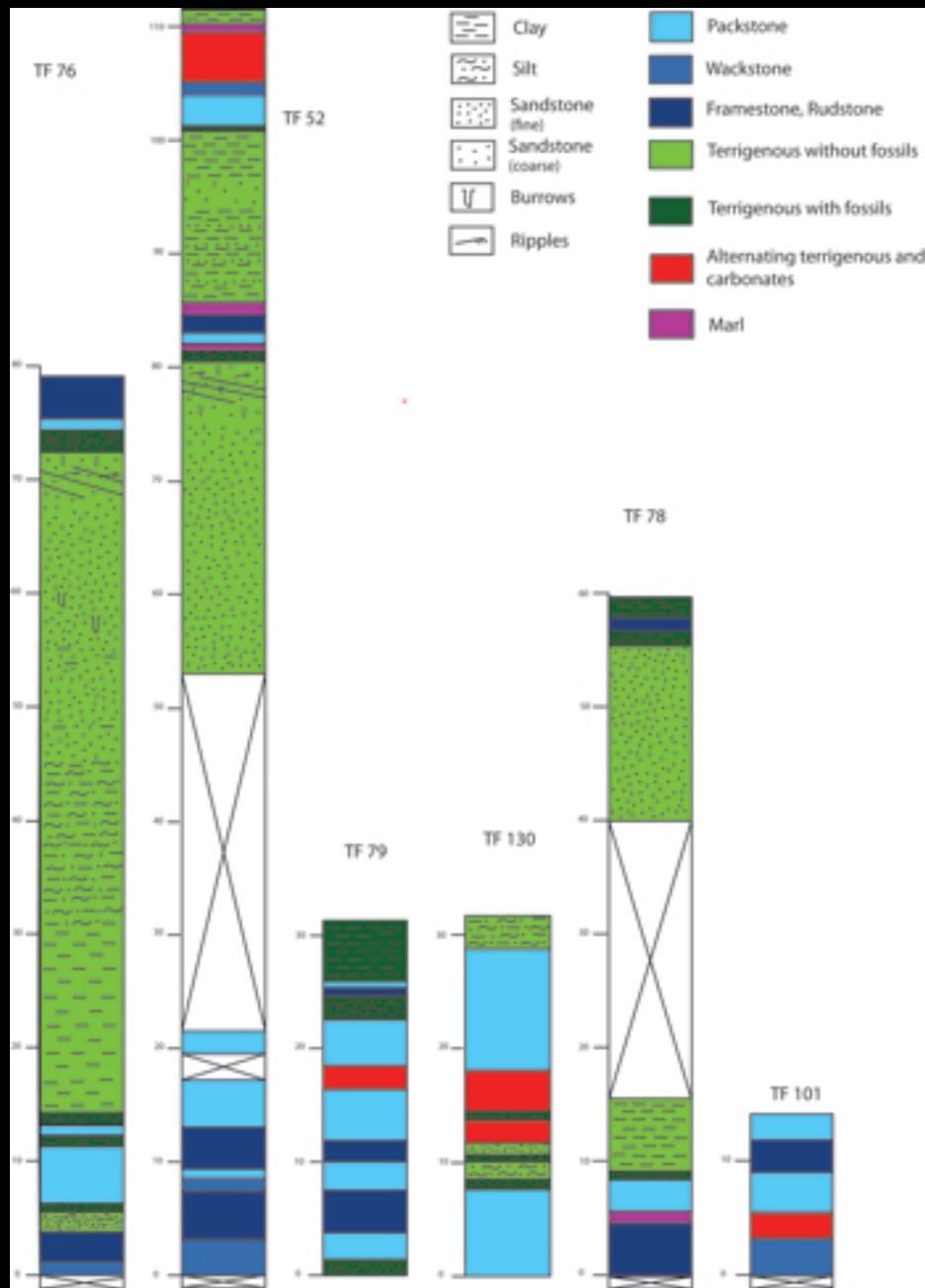
Supervisors: Juan Carlos Braga, University of Granada, Granada and Willem
Renema, Naturalis, Leiden



IAS Summer School of Sedimentology Carboneras, 30.9. – 7.10. 2012.



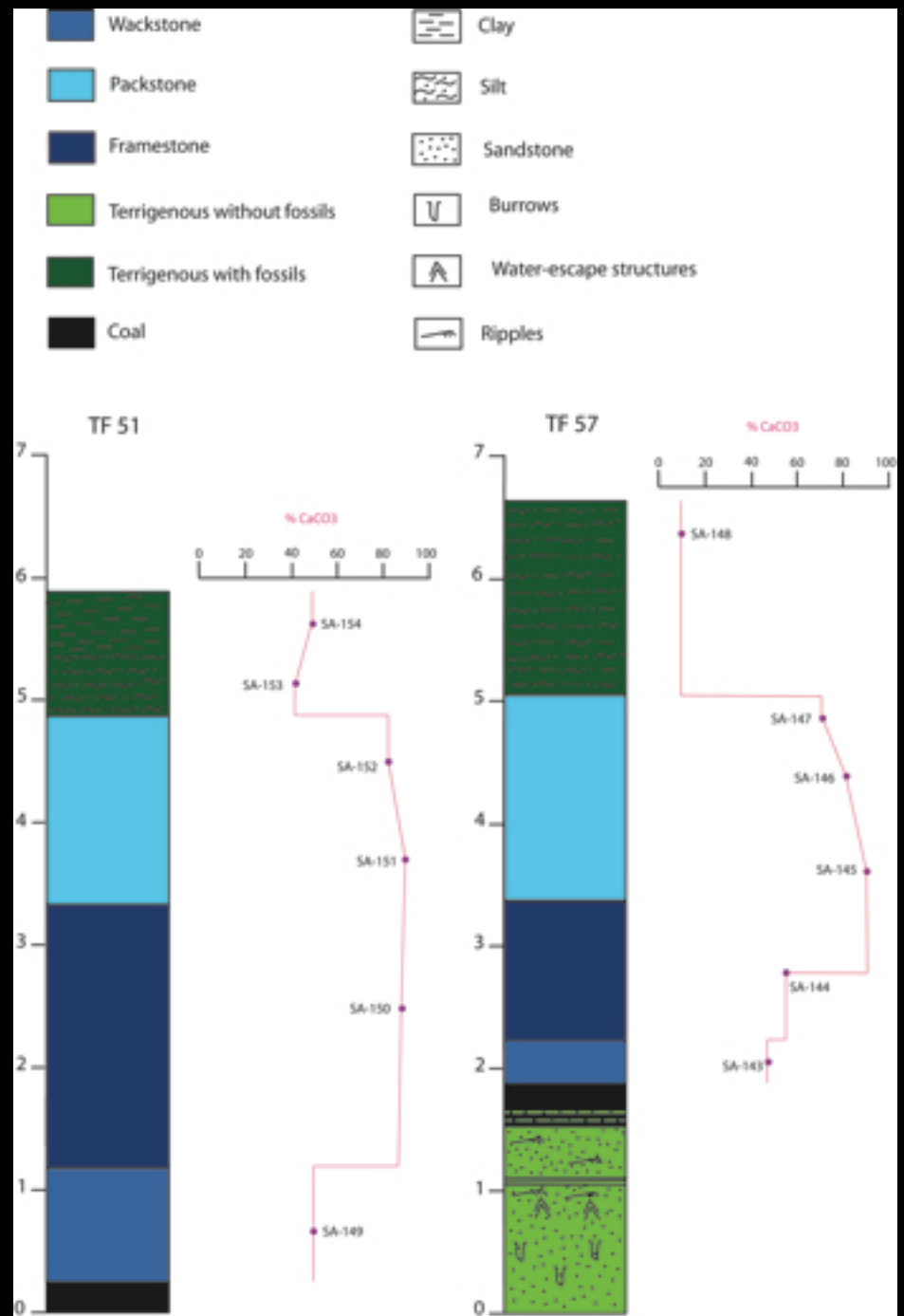
“The Batu Putih” and “The Stadium”

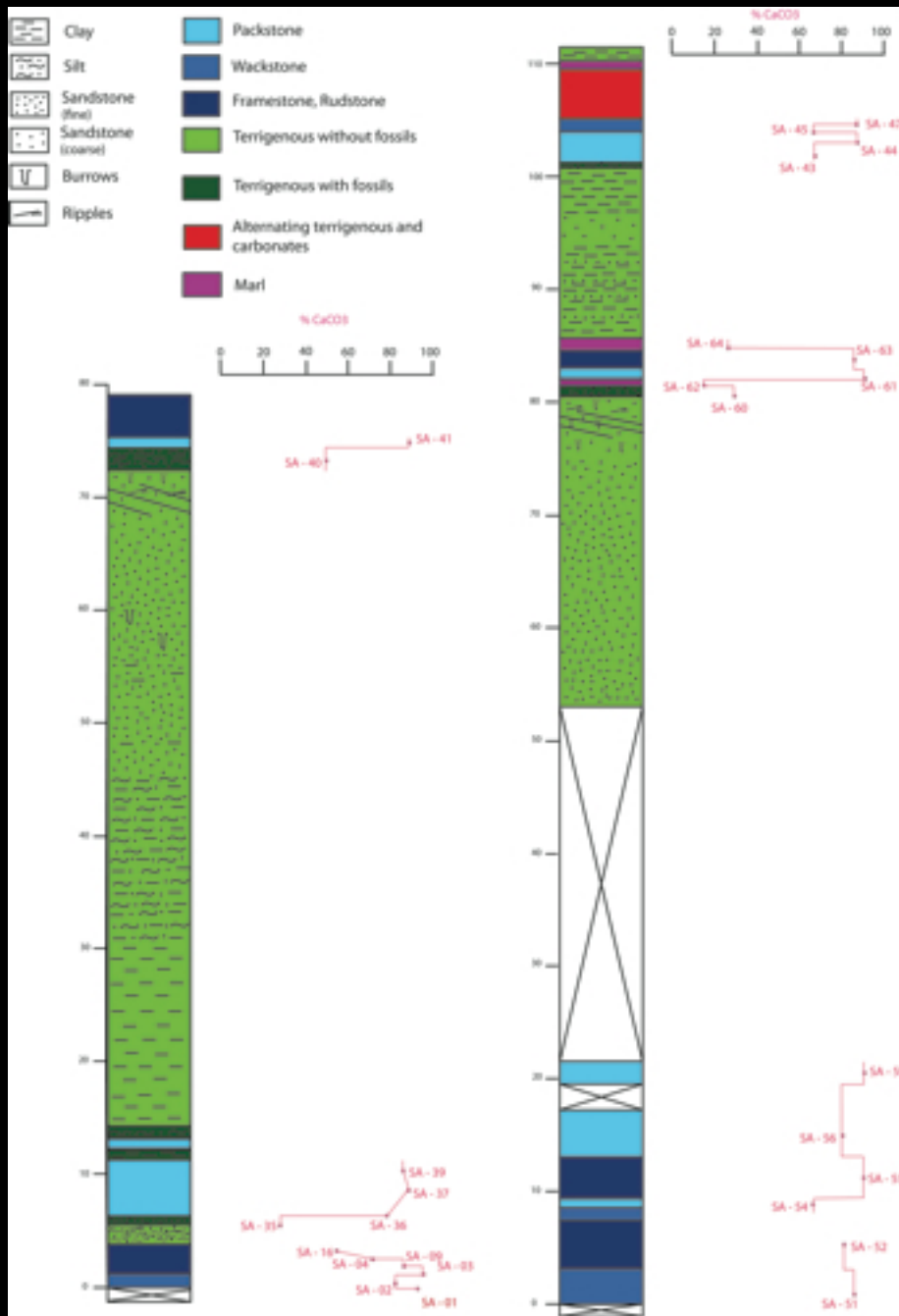


The results of TIC analysis

“The Stadium”

	SAMPLE	% TIC	% CaCO ₃
1	TF 51 SA-149	5,424	45,18192
2	TF 51 SA-150	10,6412	88,641196
3	TF 51 SA-151	10,7034	89,159322
4	TF 51 SA-152	9,6368	80,274544
5	TF 51 SA-153	4,8896	40,730368
6	TF 51 SA-154	5,8482	48,715506
7	TF 57 SA-143	5,5882	46,549706
8	TF 57 SA-144	6,8913	57,404529
9	TF 57 SA-145	10,9454	91,175182
10	TF 57 SA-146	9,6942	80,752686
11	TF 57 SA-147	8,758	72,95414
12	TF 57 SA-148	1,3553	11,289649





“The Batu Putih”

	SAMPLE	% TIC	% CaCO ₃
1	TF 76 SA-40	6,0132	50,089956
2	TF 52 SA-54	7,9100	65,8903
3	TF 52 SA-58	10,2862	85,684046
4	TF 76 SA-01	11,1178	92,611274
5	TF 76 SA-37	10,7397	89,461701
6	TF 52 SA-56	9,6198	80,132934
7	TF 52 SA-55	10,9668	91,353444
8	TF 52 SA-45	8,0594	67,134802
9	TF 76 SA-09	10,4293	86,876069
10	TF 52 SA-60	3,7276	31,050908
11	TF 76 SA-16	6,7374	56,122542
12	TF 52 SA-51	10,1609	84,640297
13	TF 76 SA-03	11,4205	95,132765
14	TF 52 SA-43	7,9339	66,089387
15	TF 52 SA-61	10,8979	90,779507
16	TF 76 SA-35	3,3922	28,257026
17	TF 52 SA-44	10,6065	88,352145
18	TF 76 SA-36	9,5181	79,285773
19	TF 76 SA-41	10,7305	89,385065
20	TF 52 SA-62	1,8049	15,034817
21	TF 52 SA-59	11,0736	92,243088
22	TF 52 SA-52	9,6814	80,646062
23	TF 76 SA-04	8,7304	72,724232
24	TF 52 SA-47	10,5461	87,849013
25	TF 76 SA-02	10,0641	83,833953
26	TF 52 SA-63	10,2876	85,695708
27	TF 76 SA-39	10,2407	85,305031
28	TF 52 SA-64	3,2643	27,191619

CORAL GROWTH FORMS

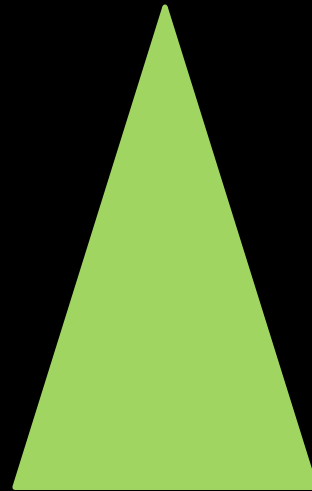
TERRIGENOUS

CARBONATE

Massive corals

Branching corals

Platy corals



Is terrigenous input controlling the reef development in all cases
or is it also the result of depth changes due to relative sea level change?

FUTURE WORK

- Finish the logs
- Microbialites



- Interpretation – integrate my results with the results regarding the corals, corallinae algae, foraminiferas, paleomagnetism



THANK YOU FOR YOUR ATTENTION!