





Better physics for coastal dynamics

**School of Geosciences**

**Rounder**

Mode of Transport	Rouse Number
Bed load	$>2.5$
Suspended load: 50% Suspended	$>1.2, <2.5$
Suspended load: 100% Suspended	$>0.8, <1.2$
Wash load	$<0.8$

Rouse Number

 $R_o$ 

12

No Motion

7

Bed Load

2.5

Susp. (50%)

1.2

Susp. (100%)

0.8

0

0

36.88

36.87

36.86

36.85

36.84

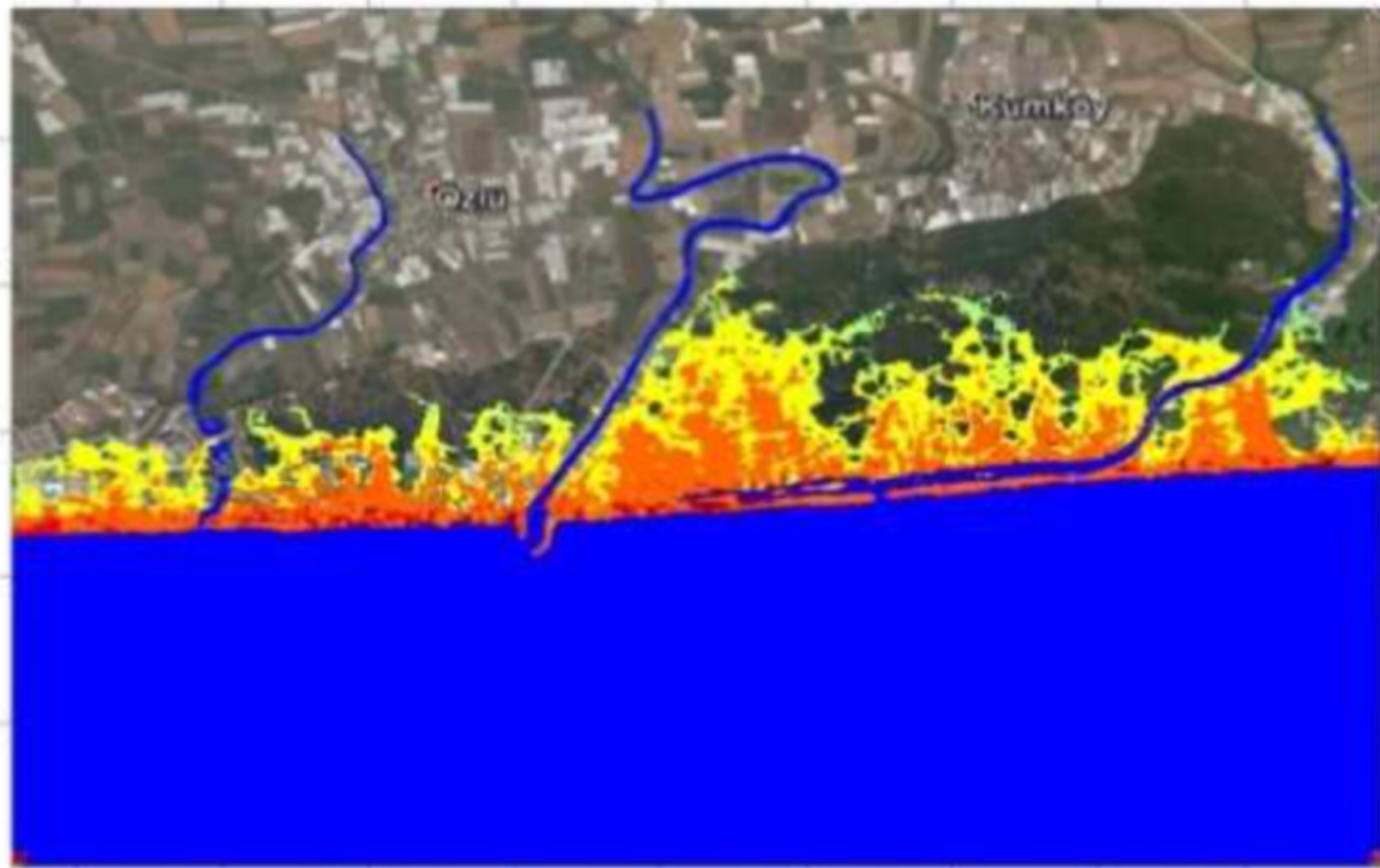
30.89

30.91

30.93

30.95

30.97



$$P = \frac{w_s}{\kappa u_*}$$

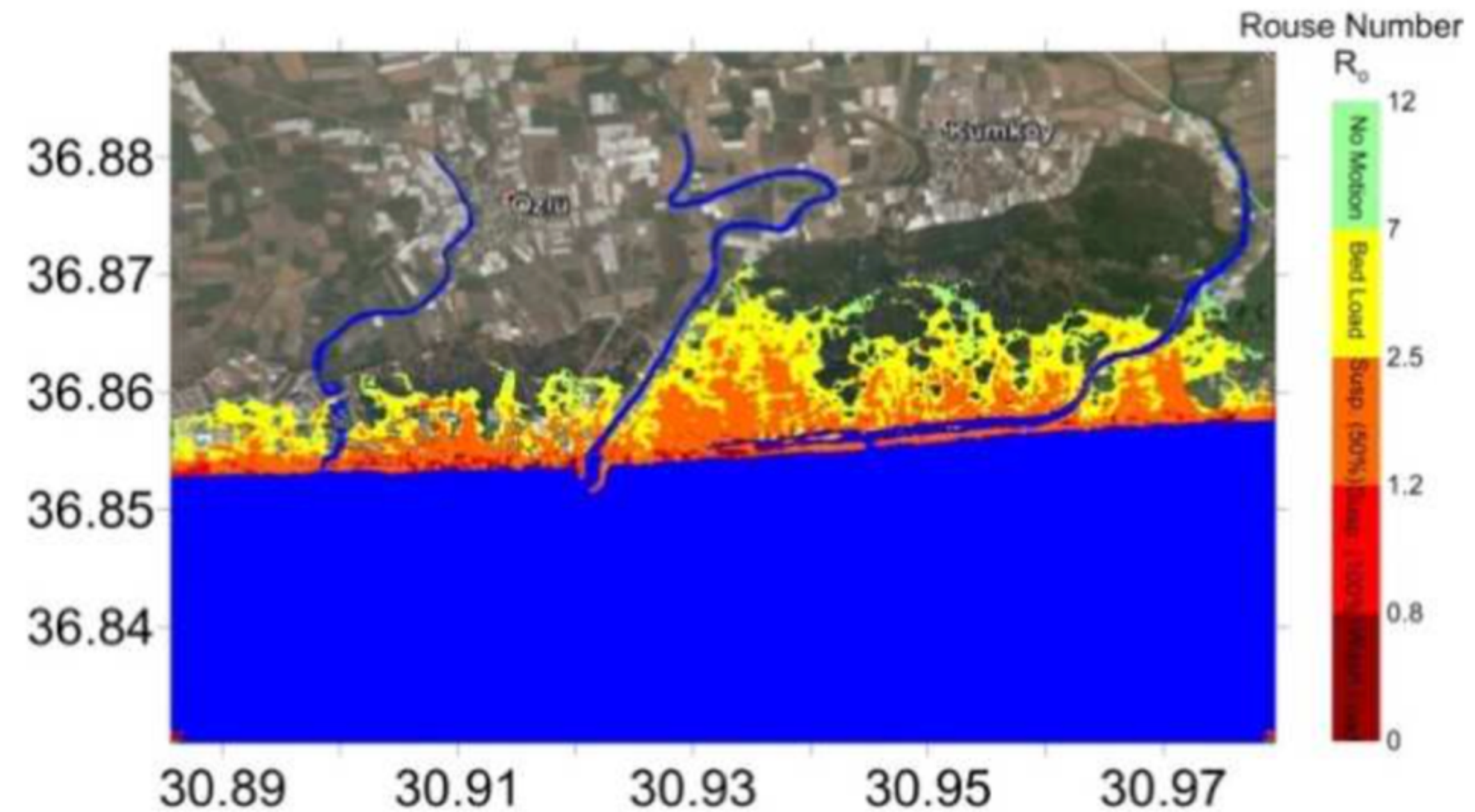


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## Rouse Number

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## Sediment transport

