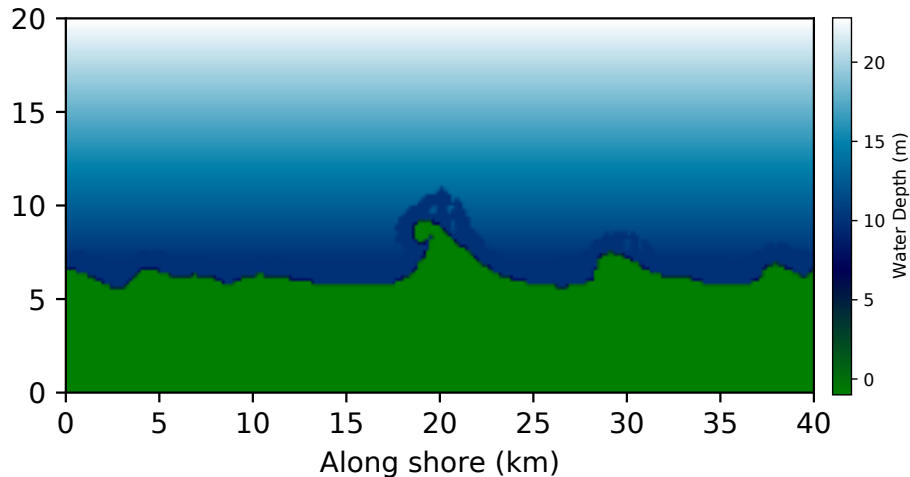


Cross shore (km)



```
# Initialize the CEM and Waves models
from pymt import models
cem, waves = models.Cem(), models.Waves()
args = cem.setup(number_of_rows=100,
                  number_of_cols=200,
                  grid_spacing=200.)

cem.initialize(*args)
args = waves.setup()
waves.initialize(*args)

# (additional initialization code not shown)

# Run the models iteratively & exchange data
for time in range(num_time_steps):
    waves.update()
    angle = waves.get_value(wave_angle_name)
    cem.set_value(wave_angle_name, angle)
    cem.set_value(sed_flux_name, qs)
    cem.update()
```