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Name	Mick van der Wegen
Year of birth	1971
Nationality	Dutch
Marital Status	Married, 3 children
Present position	Associate Professor Estuarine Dynamics
Years with firm	1996 – present

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## EDUCATION

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|-----------|---|---|
| 2005-2010 | - | PhD dissertation (part time) at UNESCO-IHE and Delft University of Technology 'Modeling morphodynamic evolution in alluvial estuaries' under guidance of prof. Dano Roelvink.                                 |
| 1990-1996 | - | MSc degree at Delft University of Technology, department of Civil Engineering, section of Fluid Mechanics. Thesis : 'Turbulent processes in a shallow water mixing layer', under guidance of prof. J Battjes. |
| 1984-1990 | - | Stedelijk Gymnasium Johan van Oldenbarnevelt, Amersfoort, Netherlands   |
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## EMPLOYMENT RECORD

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|-------------|---|--|
| 2012- date  | - | Senior Researcher at Deltares (0.3 FTE)                                      |
| 1997- date  | - | Junior Lecturer, Senior Lecturer, Associate Professor at IHE Delft (0.6 FTE) |
| 2010 - 2012 | - | Visiting researcher at Deltares (1 day/week)                                 |
| 2008        | - | Visiting researcher at USGS, Santa Cruz (3 months)                           |
| 2008 - 2009 | - | Visiting researcher RIKZ (1 day/week).                                       |
| 2005 - 2010 | - | Part-time PhD candidate  |
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## KEY QUALIFICATIONS

Mick van der Wegen's major field of expertise is related to estuarine morphodynamics and integrated coastal zone management. After his TU Delft MSc degree in Civil Engineering, fluid mechanics, in 1996 he has worked at IHE Delft. He obtained his PhD degree (TU Delft) in 2010. He is appointed 0.6 FTE at IHE Delft (since 1997) and 0.3 FTE at Deltares (since 2013).

Major research focus comprises climate change and sea level rise impact on estuarine dynamics. Special expertise includes modeling of estuarine morphodynamics at various spatial scales, including entire tidal basins, channel-shoal interactions, dredging strategies, mudflats, salt marshes and mangroves belts. Broader expertise relates to hydrodynamic processes like density currents, salt intrusion and sediment pathways. For me, research implies always seeking for opportunities to explore new paths beyond the state-of-the-art.

Education efforts have included teaching, guidance of MSc students and PhD candidates as well as educational programme coordination including accreditation and quality assurance. Other activities include (acquisition of) research projects, review work for international, peer-reviewed journals, advisory work and capacity building projects within an international context and often in close co-operation with institutes like TU Delft, Deltares, USGS and the Worldbank.

## MAIN DISCIPLINE / SPECIALISATION

Estuarine dynamics, morphodynamic modeling and coastal zone management

## EXPERIENCE RECORD

### ACADEMIC PERFORMANCE since 2008 (update December 2020)

Researcher ID ( <a href="http://www.researcherid.com">www.researcherid.com</a> )	C-6787-2009
ORCID ( <a href="http://www.orcid.org">www.orcid.org</a> )	0000-0002-5227-2679
Scopus Author ID:	23981695100
Total Articles in Publication List (peer reviewed):	50 (15 first author)
Journals (2011 impact factor):	PLoS One (4.4), Journal of Geophysical Research (3.03), Marine geology (2.7), Marine Ecology Progress Series (2.6), Geomorphology (2.5), Est. and Coastal Shelf Science (2.3), Ocean Dynamics (1.8), Coastal Engineering (1.8)
Sum of the Times Cited (Res.ID, Google scholar):	1175, 1954
Average Citations per Article (Res.ID, Google scholar):	26, 39
h-index (Res.ID, Google Scholar):	21, 24

### Postdoc, PhD and MSc guidance and involvement

2020-date	<i>Amin Rahdarian</i> - PhD candidate mangrove dynamics (Un. Of Waikato, New Zealand, joint guidance)
2018-date	<i>Sebrian Putra</i> – PhD candidate mangrove dynamics
2017-date	<i>Uwe Best</i> - PhD candidate mangrove coasts under SLR
2016-date	<i>Hesham Elmilady</i> – PhD candidate sandy shoal dynamics under SLR
2016-2018	<i>Fernanda Achete</i> – Postdoc sediment dynamics in San Francisco Estuary
2015-date	<i>Thanh Vo</i> - PhD candidate sediment dynamics in Mekong Delta
2015-date	<i>Jakia Akter</i> - PhD candidate Morphodynamics of Ganges, Bramaputra Meghna Delta, Bangladesh
2014-2017	<i>Hao Wang</i> - PhD candidate NOW-BWN CoCo Channel project
2013-2015	<i>Zheng Zhou</i> - PhD candidate at University of Cantabria, Spain (involved)
2012-2015	<i>Roseanne Martyr</i> - Post doc in CASCADE II project Modeling hydrodynamics and phytoplankton dynamics in San Francisco Bay-Delta system with D-Flow FM.
2011-2016	<i>Fernanda Achete</i> - PhD candidate in CASCADE II project Modeling hydrodynamics, sediment transport and morphodynamics in San Francisco Bay-Delta system with D-Flow FM.
2010-date	<i>Gerard Dam</i> - Morphological modeling of the Western Scheldt
2009-2014	<i>Guo Leicheng</i> - Modelling estuarine morphodynamics under combined river and tidal forcing
2007-2012	<i>Ali Dastgheib</i> - Morphodynamic modeling of the Waddenzee (involved)
2006-2010	<i>Pushpa Kumara Dissanayake</i> - Morphodynamic modeling of Waddenzee inlets (involved)
2004-2008	<i>Nguyen Anh Duc</i> - Salt intrusion, tides and mixing in multi-channel estuaries (involved)
1998- date	Guidance of on average 4 MSc candidates/year on different topics related

to coastal engineering and coastal morphodynamics

### GUESTLECTURER and KEYNOTES

- 2016 Invited lecture at Bay Delta Science Conference, Sacramento, USA
- 2016 Invited lecture at Coastal morphodynamic workshop, Hannover, Germany
- 2015 Invited lecture at SKLEC, Shanghai, China
- 2014 Keynote CSDM conference  
([https://www.youtube.com/watch?v=20y8\\_ZgcnEU&x-yts=1422579428&x-yt-cl=85114404](https://www.youtube.com/watch?v=20y8_ZgcnEU&x-yts=1422579428&x-yt-cl=85114404))
- 2014 Invited lecture at NOC Liverpool, UK
- 2013 Invited lecture within framework of ICoasst project  
(<http://www.icoasst.net/>), Southampton, UK
- 2005-2013 Twente University, the Netherlands: Lecture series Integrated Water Resources Management, focus on ICZM
- 2005-2008 University of Amsterdam, the Netherlands: Lecture series People and the Sea, focus on ICZM

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### Projects

#### *Research (acquired)*

- 2018-date **Bangladesh:** Worldbank funded project for BWDB on climate change impacts on Bangladesh polder system including two 2-week missions per year in close co-operation with IWM, DHI and Deltares, 500 Keuro
- 2012-2016 **Netherlands:** CocoCHannel- NWO funded PhD project on ebb tidal delta dynamics at the Dutch coast, 160 Keuro
- 2012-date **USA:** Ongoing research on mudflat morphodynamics under climate change scenarios at about 50 KUSD/year funding from different local (Californian) sources (Coastal Conservancy, USGS)
- 2011-date **USA:** CAsCade II *interdisciplinary research project financed by USGS and Calfed (1.8 MUSD):* Development of San Francisco Bay and Delta model based on D-Flow FM; coupling with Delwaq functionality. Study of sediment transports through Delta and Bay and morphodynamic hindcast of this system. 1PhD 2MSc, 200 Keuro  
<http://cascade.wr.usgs.gov/>, [www.d3dbay-delta.org](http://www.d3dbay-delta.org), USGS, Deltares, IHE Delft.
- 2009-date **USA:** Corte Madera (40 KUSD): Modeling salt marsh development in San Francisco Estuary, USGS, BCDC.
- 2009-date **USA:** Calibration and validation of Bay-Delta model of San Francisco Estuary with Delft DFlow FM for USGS, 50 KUSD.
- 2007-2009 **USA:** CAsCade *interdisciplinary research project financed by USGS and Calfed:* Long-term morphological development of San Francisco Estuary,  
<http://cascade.wr.usgs.gov/>

- 2006 **The Netherlands:** *Organization NCK days*, two day conference of the Netherlands Centre for Coastal Research on the current Dutch coastal research
- 2004-2006 **The Netherlands:** *Re-evaluation of the Netherlands Long Term Climate targets* NRP-CC, NLTCT project; (VU-IVM, RIVM, WUR, KNMI, RIZA, RIKZ, ICIS) contribution specifically related to the coastal zone.
- 2000-2003 **The Netherlands:** member Delft Cluster research project on environmental flow requirements (ENFRAIM) in co-operation with WL|Delft Hydraulics, Alterra and TU Delft
- 1999 **Australia:** advisory service on salt intrusion in the Mary River, Darwin, Australia. The assessment was related to increasing salt intrusion in the Mary river threatening the fresh water wetlands in a nature reserve. Expert advice was given on the managerial and engineering measures to be taken to cope in a sustainable way with the processes going on.
- 1998 **The Netherlands:** Coast3D, research project including training on Delft3D, in co-operation with WL|Delft Hydraulics. The project aimed to investigate the morphology in front of the coast of Egmond, the Netherlands, using a 3D mathematical model.
- 1996 **The Netherlands:** Research on mixing processes in shallow water mixing layers in the laboratory for Fluid mechanics, Delft University of Technology. Work included laser-Doppler measurements in a flume and mathematical model development.

### **Capacity building**

- 2019-2020 **Bangladesh:** OKP funded capacity building and institutional sustainability development of the Bangladeshi maritime and port sector
- 2018-date **Bangladesh:** Worldbank funded project for BWDB on climate change impacts on Bangladesh polder system including major capacity building component of BWDB staff
- 2015-2018 **Indonesia:** Project leader of capacity building in Nature based flood defenses of Indonesian Government funded by Ecoshape
- 2001-2008 **The Netherlands:** member steering committee and co-ordinator on behalf of IHE in the HWRU project. Project funded by Dutch Embassy in Hanoi aiming to develop a department of Coastal engineering at HWRU, Vietnam. Project includes curricula development and training and coaching of 20 HWRU staff, partly up to PhD level.
- 2001-2003 **Vietnam:** Conductance of courses ICZM in Hue, Hanoi, Vung Tau and Nam Dinh; within the framework of larger capacity building project funded by Dutch Embassy in Hanoi. Partners WL|Delft hydraulics, DHV, Arcadis, RIKZ. Course co-ordination and development. Lecture tasks specifically related to policy analysis and 3 day role play.
- 2001 **Vietnam:** groupwork guidance on an EIA of the Dong Nai River Catchment including field visit, Vietnam. Project sponsored by Dutch Embassy Hanoi. The groupwork aimed at a thorough EIA related to the Dong Nai Masterplan that was proposed in a JAICA. The EIA was carried out at IHE by a group of 15 Vietnamese students from different disciplines and Vietnamese institutes.
- 1998-2002 **The Netherlands:** project leader of different projects related to distance learning related to Integrated Coastal Zone Management (more information at [www.coastlearn.org](http://www.coastlearn.org)). Development of teaching material suitable for the internet in

co-operation with RIKZ, WL|Delft Hydraulics, Resource Analysis, EUCC and different smaller Eastern European partners. Projects carried out under ICES, and EU programmes (ao LIFE, PIN MATRA, LEONARDO, TACIS).

1997-date **The Netherlands:** development of CRESS software in co-operation with RWS/DWW and TU Delft, more information at [www.cress.nl](http://www.cress.nl). CRESS aims to provide the user with rules of thumb related to hydraulic engineering in combination with background information. Software development includes selection and critical review of routines including sensitivity analyses.

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## LANGUAGE PROFICIENCY

<i>Language</i>	<i>Reading</i>	<i>Speaking</i>	<i>Writing</i>
English	Excellent	Good	Good
French	Good	Moderate	Moderate
German	Good	Good	Good
Spanish	Moderate	Moderate	Moderate
Dutch	Mother tongue		

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## Professional Certification or Membership in Professional Associations:

- AGU
- NCK

## COMPUTER SKILLS

MS Office	Excellent
Delft3D (4/FM)	Excellent
Matlab	Excellent

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## PUBLICATIONS

*On average 6-7 conference proceedings per year over the last 15 years*

### *Peer reviewed journals:*

- 2020 Elmilady, H., M Van Der Wegen, D Roelvink, A van der Spek Morphodynamic evolution of a fringing sandy shoal: From tidal levees to sea level rise *Journal of Geophysical Research: Earth Surface* 125 (6), e2019JF005397
- 2020 Thanh, V. Q., Roelvink, D., Wegen, M. v.d., Reyns, J., Kernkamp, H., Vinh, G. V., & Linh, V. T. P. (2020). Flooding in the Mekong Delta: the impact of dyke systems on downstream hydrodynamics. *Hydrology and Earth System Sciences*, 24(1), 189-212.
- 2020 Thanh, V. Q., Roelvink, D., Wegen, M. v.d., Reyns, J., Tu L.X., Linh, V. T. P., (2020), Spatial topographic interpolation for meandering channels, *J. of Waterway, Port, Coastal, and Ocean Eng.*, Vol 146 (5)
- 2020 Zhou, Z., Chen, L., Tao, J., Gong, Z., Guo, L., van der Wegen, M., ... & Zhang, C. (2020). The role of salinity in fluvio-deltaic morphodynamics: A long-term modelling study. *Earth Surface Processes and Landforms*.
- 2019 Nnafie, A., de Swart, H. E., De Maerschalck, B., Van Oyen, T., van der Vegt, M., & van der

- Wegen, M. (2019). Closure of Secondary Basins Causes Channel Deepening in Estuaries With Moderate to High Friction. *Geophysical Research Letters*, 46(22), 13209-13216.
- 2019 Van der Wegen, M., Roelvink, J. A., & Jaffe, B. E. (2019). Morphodynamic Resilience of Intertidal Mudflats on a Seasonal Time Scale. *Journal of Geophysical Research: Oceans*, 124(11), 8290-8308.
- 2019 Thanh, V. Q., Roelvink, D., & Wegen, M. V. D. (2019). Flooding in the Mekong Delta: Impact of dyke systems on downstream hydrodynamics, HESS
- 2019 Elmilady, H. M. S. M. A., van der Wegen, M., Roelvink, D., & Jaffe, B. E. (2019). Intertidal Area Disappears Under Sea Level Rise: 250 Years of Morphodynamic Modeling in San Pablo Bay, California. *Journal of Geophysical Research: Earth Surface*, 124(1), 38-59.
- 2018 Best, Ü. S., Van der Wegen, M., Dijkstra, J., Willemsen, P. W. J. M., Borsje, B. W., & Roelvink, D. J. (2018). Do salt marshes survive sea level rise? Modelling wave action, morphodynamics and vegetation dynamics. *Environmental modelling & software*, 109, 152-166.
- 2018 Vermeersen, B. L., Slangen, A. B., Gerkema, T., Baart, F., Cohen, K. M., Dangendorf, S., ... & Jevrejeva, S. (2018). Sea-level change in the Dutch Wadden Sea. *Netherlands Journal of Geosciences*, 97(3), 79-127.
- 2018 Winterwerp, J. C., Zhou, Z., Battista, G., Van Kessel, T., Jagers, H. R. A., Van Maren, D. S., & Van Der Wegen, M. (2018). Efficient consolidation model for morphodynamic simulations in low-SPM environments. *Journal of Hydraulic Engineering*, 144(8), 04018055.
- 2018 Nnafie, A., Van Oyen, T., De Maerschalck, B., van der Vegt, M., & Wegen, M. V. D. (2018). Estuarine channel evolution in response to closure of secondary basins: An observational and morphodynamic modeling study of the Western Scheldt Estuary. *Journal of Geophysical Research: Earth Surface*, 123(1), 167-186.
- 2017 Vroom, J., van der Wegen, M., Martyr-Koller, R. C., & Lucas, L. V. (2017). What Determines Water Temperature Dynamics in the San Francisco Bay-Delta System?. *Water Resources Research*, 53(11), 9901-9921.
- 2017 Achete, F., Van der Wegen, M., Roelvink, J. A., & Jaffe, B. (2017). How can climate change and engineered water conveyance affect sediment dynamics in the San Francisco Bay-Delta system?. *Climatic change*, 142(3-4), 375-389.
- 2017 Martyr-Koller, R. C., Kernkamp, H. W. J., van Dam, A., van der Wegen, M., Lucas, L. V., Knowles, N., ... & Fregoso, T. A. (2017). Application of an unstructured 3D finite volume numerical model to flows and salinity dynamics in the San Francisco Bay-Delta. *Estuarine, Coastal and Shelf Science*, 192, 86-107.
- 2017 Z Zhou, G Coco, I Townend, M Olabarrieta, M van der Wegen, Z Gong, Andrea D'Alpaos, Shu Gao, B.E. Jaffe, G. Gelfenbaum, Qing He, Yaping Wang, *Is "Morphodynamic Equilibrium" an oxymoron?*, Earth-Science Reviews, Vol.165, Pages 257–267, doi: 10.1016/j.earscirev.2016.12.002
- 2017 Van der Wegen, M., B. Jaffe, A. Foxgrover, and D. Roelvink (2017), Mudflat Morphodynamics and the Impact of Sea Level Rise in South San Francisco Bay, *Estuaries and Coasts*, 1-13, doi: 10.1007/s12237-016-0129-6.
- 2016 G. Dam, M. van der Wegen, R. J. Labeur, D. Roelvink, *Modeling centuries of estuarine morphodynamics in the Western Scheldt estuary*, 43:8, 3839–3847, doi 10.1002/2015GL066725
- 2016 Murray, A.B., Gasparini, N.M., Goldstein, E.B., Van der Wegen, M., *Uncertainty quantification in modeling earth surface processes: more applicable for some types of models than for others*, *Comp. and GeoSc.*, 90B, 6–16 doi:10.1016/j.cageo.2016.02.008
- 2016 Van Maanen, B., Nicholls, R.J., Barkwith, A., Bonaldo, D., Burningham, H., French, J.R., Murray, A.B., Payo, A., Sutherland, J., Thornhill, G., Townend, I.H., Van der Wegen, M., Walkden, M.J.A., *Simulating mesoscale coastal evolution for decadal coastal management: A new framework integrating multiple, complementary modelling*



- approaches*, *Geomorphology* 256, 68–80, doi:10.1016/j.geomorph.2015.10.026
- 2016 F. M. Achete, M. van der Wegen, D. Roelvink, and B. Jaffe, *Suspended Sediment Dynamics in a tidal channel network under Peak River Flow*, *Ocean Dynamics*, 66:5, 703–718, doi 0.1007/s10236-016-0944-0
- 2016 Guo, L., M. van der Wegen, D. Roelvink, and Q. He, *Exploring the impacts of multiple tidal constituents and varying river flow on long-term, large-scale estuarine morphodynamics by means of a 1-D model*, *J. Geophys. Res. ES*, 121:5, 1000–1022, doi 10.1002/2016JF003821
- 2015 Zeng Zhou, Mick van der Wegen, Bert Jagers, Giovanni Coco, *Modelling the role of self-weight consolidation on the morphodynamics and restoration of mudflats*, *Env. Mod. and Software*. 10.1016/j.envsoft.2015.11.002
- 2015 F. M. Achete, M. van der Wegen, D. Roelvink, and B. Jaffe, *A 2D Process-Based Model for Suspended Sediment Dynamics: a first Step towards Ecological Modeling*, *Hydrol. Earth Syst. Sci.*, doi:10.5194/hessd-12-1507-2015
- 2015 Zeng Zhou, G. Coco, M. van der Wegen, Zheng Gong, Changkuan Zhang and I. Townend, *Modeling sorting dynamics of cohesive and non-cohesive sediments on intertidal flats under the effect of tides and wind waves*, *Cont. Shelf Res.* 104, 76–91, doi: 10.1016/j.csr.2015.05.010
- 2015 Guo, L., M van der Wegen, JA Roelvink, ZB Wang, Q He, *Long-term, process-based morphodynamic modeling of a fluvio-deltaic system, part I: The role of river discharge*, *CSR* 109, 95-111, doi:10.1016/j.csr.2015.09.002
- 2015 Guo, L., M. van der Wegen, D. A. Jay, P. Matte, Z. B. Wang, D. Roelvink, and Q. He, *River-tide dynamics: Exploration of nonstationary and nonlinear tidal behavior in the Yangtze River estuary*, *J. Geophys. Res. Oceans*, 120, doi:10.1002/2014JC010491.
- 2015 Guo, L., M. Van der Wegen, J.A. Roelvink and Q. He, *Exploration of the impact of seasonal river discharge variations on long-term estuarine morphodynamic behavior*, *Coastal Engineering*, Vol 95, 105–116, doi:10.1016/j.coastaleng.2014.10.006
- 2014 Zeng Zhou, G. Coco, M. Jimenez, M. Olabarrieta, M. van der Wegen, and I. Townend, *Morphodynamics of river-influenced back-barrier tidal basins: The role of landscape and hydrodynamic settings*, *Water Res. Res.*, doi: 10.1002/2014WR015891
- 2014 Guo, Van der Wegen, Roelvink and He, *The role of river flow and tidal asymmetry on 1D estuarine morphodynamics*, *JGR-ES*, doi: 10.1002/2014JF003110
- 2014 Van der Wegen, M. and B.E. Jaffe, *Processes governing decadal-scale depositional narrowing of the major tidal channel in San Pablo Bay, California, USA*, *JGR-ES*, DOI: 10.1002/2013JF002824
- 2013 Stewart, Luoma, Elrick, Carter and Van der Wegen, *Influence of estuarine processes on spatiotemporal variation of bioavailable selenium*, *Mar. Ec. Progress Series*, Vol. 492: 41–56, 2013, doi: 10.3354/meps10503
- 2013 Van der Wegen, M., and B. E. Jaffe, *Towards a probabilistic assessment of process-based, morphodynamic models*, *Coastal Engineering* 75, 52–63, doi: 10.1016/j.coastaleng.2013.01.009
- 2013 Van der Wegen, M., and B. E. Jaffe, *Does centennial morphodynamic evolution lead to higher channel efficiency in San Pablo Bay, California?*, *Special issue of Marine Geology*, doi: 10.1016/j.margeo.2013.06.020
- 2013 Van der Wegen, M., *Numerical modeling of the impact of sea level rise on tidal basin morphodynamics*, *J. Geophys. Res. Earth Surf.*, 118, doi:10.1002/jgrf.20034.
- 2012 Van der Wegen, M., Roelvink, J.A., *Reproduction of estuarine bathymetry by means of a process-based model: Western Scheldt case study, the Netherlands*, *Geomorphology*, doi: 10.1016/j.geomorph.2012.08.007
- 2011 Cloern, J., Knowles, N., Brown, L., Cayan, D., Dettinger, M., Morgan, T., Schoellhamer, D., Stacey, M., Van der Wegen, M., Wagner, R.W., Jassby, A., *Projected Evolution of California's San Francisco Bay-Delta-River System in a Century of Climate Change*, *PLoS ONE* 6(9): e24465., doi:10.1371/journal.pone.0024465
- 2011 Van der Wegen, M., B. E. Jaffe, and J. A. Roelvink, *Process-based, morphodynamic*

- hindcast of decadal deposition patterns in San Pablo Bay, California, 1856–1887*, J. Geophys. Res., 116, F02008, doi:10.1029/2009JF001614.
- 2010 Van der Wegen, M., A. Dastgheib, B.E. Jaffe and J. A. Roelvink, *Bed composition generation for morphodynamic modeling: case study of San Pablo Bay in California, USA*. Ocean Dynamics, InterCoh 2009 Special issue, doi: 10.1007/s10236-010-0314-2
- 2010 Van der Wegen, M., A. Dastgheib and J. A. Roelvink, *Morphodynamic modeling of tidal channel evolution in comparison to empirical PA relationship*, Coastal Eng. 57 (2010) 827–837, doi:10.1016/j.coastaleng.2010.04.003
- 2009 Dissanayake, M. van der Wegen and J.A. Roelvink (2009), *Modelled channel patterns in a schematized tidal inlet*, Coastal Engineering, doi: 10.1016/j.coastaleng.2009.08.008.
- 2008 Van der Wegen, M., Z. B. Wang, H. H. G. Savenije, and J. A. Roelvink (2008), *Long-term morphodynamic evolution and energy dissipation in a coastal plain, tidal embayment*, J. Geophys. Res., 113, F03001, doi:10.1029/2007JF000898.
- 2008 Nguyen Anh Duc, Mick van der Wegen, Dano Roelvink and Huub Savenije, *New analytical equation determining the dispersion coefficient in estuaries with a distinct ebb-flood channel system*, Estuarine and Coastal Shelf Science, doi 10.1016/j.ecss.2008.03.002.
- 2008 Van der Wegen, M., and J. A. Roelvink, *Long-term morphodynamic evolution of a tidal embayment using a two-dimensional, process-based model*, J. Geophys. Res., 113, C03016, doi:10.1029/2006JC003983.

### **Book chapters and other publications**

- 2020 Mulder, J., Galiforni-Silva, F., d'Hont, F., Wijnberg, K., van der Spek, A., van der Wegen, M., & Slinger, JH (2020). Texel inlet dynamics and shoreline management. In J. Slinger, S. Taljaard, & F. d'Hont (Eds.), Complex coastal systems: Transdisciplinary learning on international case studies (pp. 31-46)
- 2020 Robke, B., Elmilady, H., Van der Wegen, M., Taal, M., The long-term morphological response to sea level rise and different sediment strategies in the Western Scheldt estuary (The Netherlands), Deltares report 1210301-009-ZKS-0009
- 2020 Developing concept design solutions for coastal erosion in Bangladesh, CDR, Deltares, IWM, Worldbank
- 2019 Van der Wegen, M., Shrijvershof, R., Colina Alonso, A., Broekema, Y., Kranenburg, W., Huisman, B., Hydrodynamics in the pits of Borssele and Hansweert, Data-analysis and Delft3D-FM modeling, Deltares report 1210301-015-ZKS-0007
- 2017 Van der Wegen, M, Robke, B., Van der Werf, J., P. de Vet Hindcasting Westerschelde mouth morphodynamics (1963-2011), Deltares report 1210301-001-ZKS-0006
- 2016 Roelvink, Ranasinghe, Walstra, Van der Wegen, Modeling of coastal morphodynamic processes. The Coastal Engineering handbook, Wiley, 611-634
- 2010 Van der Wegen, M. Modeling morphodynamic evolution in alluvial estuaries, PhD dissertation.
- 1998 Verhagen, H.J., and Van der Wegen, M., Coastal and River Engineering Support System manual, in : Dikes and Revetments, Design, Maintenance and Safety Assessment, Balkema, Rotterdam
- 1996 Van der Wegen, Research on a shallow water mixing layer, MSc. Thesis, supervision by prof. J. Battjes, TU Delft

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## **REFERENCES**

Available upon request

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## CERTIFICATION

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience. I understand that any willful misstatement described herein may lead to my disqualification or dismissal, if engaged.

Signature:

Date:

Mick van der Wegen

31-12-2020

A handwritten signature in blue ink, appearing to read "Mick van der Wegen".