Network statistics of interpartition (hyper-coupled minority) 1.00 -0.75 -0.75 **-**Small.World 0.25 -0.25 -0.00 -500000 Rewiring 500000 Rewiring 250000 750000 250000 1000000 1000000 750000 1.0 -0.8 -0.6 0.5 -Assortativity Modularity 4.0 -0.5 **-**0.0 --1.0 **-**250000 500000 500000 Rewiring 750000 1000000 750000 1000000 250000 Rewiring 1.00 -Average.Path.Length 0.75 -Rich.Club 0.25 -0.00 -500000 Rewiring 250000 750000 1000000 500000 Rewiring 1000000 250000 750000 1.00 -1.5 -0.75 -Edge.Density Efficiency 0.5 -0.25 -0.00 -250000 500000 750000 1000000 250000 500000 750000 1000000 Rewiring Rewiring Loic Van De Velde — Arthur Lejeune Sam Evrard Dorian Gerard Alexandre Laurent Owner Maxim Declercq Lauren Mathieu Jordan Vermeersch Daan Pauwels Sam Verheyen

Network statistics of interpartition (hyper-chaotic minority) 1.00 -0.75 -0.75 **-**Small.World 0.25 -0.25 -0.00 -500000 Rewiring 500000 Rewiring 250000 750000 250000 1000000 1000000 750000 1.0 -0.8 -0.5 -Assortativity Modularity - F<sup>0</sup> 0.2 --0.5 **-**0.0 --1.0 **-**500000 500000 Rewiring 250000 750000 1000000 750000 1000000 250000 Rewiring 1.00 -0.75 -Average.Path.Length Rich.Club 0.25 -500000 Rewiring 250000 750000 1000000 500000 Rewiring 250000 750000 1000000 1.00 -1.5 -0.75 -Edge.Density Efficiency 0.5 -0.25 -0.00 -250000 500000 750000 1000000 250000 750000 500000 1000000 Rewiring Rewiring Ines Verheyen Daan Dubois Emilie Petit Thibault Janssens Owner David De Ridder Lea Vandenberghe Jordan De Pauw Samuel Devos

Network statistics of interpartition (homogeneous society) 1.00 -0.75 -0.75 **-**Small.World 0.25 -0.25 -0.00 -500000 Rewiring 500000 Rewiring 250000 750000 250000 750000 1000000 1000000 1.0 -0.8 -0.5 -Assortativity Modularity - F<sup>0</sup> 0.2 --0.5 **-**0.0 --1.0 **-**250000 500000 500000 Rewiring 750000 1000000 750000 1000000 250000 Rewiring 1.00 -Average.Path.Length 0.75 -Rich.Club 0.25 -500000 Rewiring 250000 750000 1000000 500000 Rewiring 1000000 250000 750000 1.00 -1.5 -0.75 -Edge.Density Efficiency 0.50 0.5 -0.25 -0.00 -250000 500000 750000 1000000 250000 750000 1000000 500000 Rewiring Rewiring William De Meyer — Romain Thys Oceane Bauwens Kevin Jansen Owner Alexandre Van Dyck Yana Van Damme Milan Jacobs

Network statistics of interpartition (hypo-chaotic minority) 1.00 -0.75 -0.75 **-**Small.World 0.25 -0.25 -0.00 -0.00 -500000 Rewiring 500000 Rewiring 250000 750000 250000 1000000 1000000 750000 1.0 -0.8 -0.6 0.5 -Assortativity Modularity 4.0 0.2 --0.5 **-**0.0 --1.0 **-**250000 500000 500000 Rewiring 750000 1000000 250000 750000 1000000 Rewiring 1.00 -Average.Path.Length 0.75 -Rich.Club 0.25 -0.00 -250000 1000000 500000 Rewiring 500000 750000 250000 1000000 750000 Rewiring 2.0 -1.00 -1.5 -0.75 -Edge.Density Efficiency 0.50 0.5 -0.25 -0.00 -250000 500000 750000 1000000 250000 500000 750000 1000000 Rewiring Rewiring Morgane Leclercq Noah Wuyts Niels De Cock Milan Verlinden Oceane Pauwels Owner Logan Wauters Ruben Declercq Anouk De Pauw Julien Thomas Loic Vermeiren

Network statistics of interpartition (hypo-coupled minority) 1.00 -0.75 -0.75 **-**Small.World 0.25 -0.25 -0.00 -500000 Rewiring 500000 Rewiring 250000 750000 250000 1000000 1000000 750000 1.0 -0.8 -0.5 -Assortativity Modularity - F<sup>0</sup> 0.2 --0.5 0.0 --1.0 **-**500000 500000 Rewiring 250000 750000 1000000 750000 1000000 250000 Rewiring 1.00 -Average.Path.Length 0.75 -Rich.Club 0.25 -500000 Rewiring 250000 750000 500000 Rewiring 1000000 250000 750000 1000000 1.00 -1.5 -0.75 -Edge.Density Efficiency 0.5 -0.25 -0.00 -500000 Rewiring 250000 750000 1000000 250000 500000 750000 1000000 Rewiring Audrey Claeys Margaux Bogaert Martin Devos Seppe Jansen Ines Lemaire Owner Chiara Bosmans Ine Verheyen Hannah Bauwens **David Cornelis** Celine Simon

Network statistics of majority (hyper-coupled minority) 1.00 -0.75 -0.75 **-**Small.World Clustering 0.25 0.25 0.00 -0.00 -500000 Rewiring 750000 500000 Rewiring 1000000 250000 1000000 250000 750000 1.0 -0.8 -0.6 Assortativity Modularity - F<sup>0</sup> 0.2 --0.5 **-**0.0 -250000 500000 500000 Rewiring 750000 1000000 250000 1000000 750000 Rewiring 1.00 -0.75 -Average.Path.Length Rich.Club 0.25 -0.00 -500000 Rewiring 250000 750000 500000 Rewiring 1000000 250000 750000 1000000 1.00 -1.5 -0.75 -Edge.Density Efficiency 0.50 0.5 -0.25 -0.00 -250000 750000 500000 1000000 250000 750000 1000000 500000 Rewiring Rewiring — Arthur Lejeune Alexandre Laurent Dorian Gerard Loic Van De Velde Sam Evrard Owner Daan Pauwels Sam Verheyen Maxim Declercq Lauren Mathieu Jordan Vermeersch

Network statistics of majority (hyper-chaotic minority) 1.00 -0.75 -0.75 **-**Small.World Clustering 0.25 -0.25 -0.00 -0.00 -500000 Rewiring 750000 500000 Rewiring 1000000 250000 1000000 250000 750000 1.0 -0.8 -0.5 Assortativity Modularity - F<sup>0</sup> 0.2 --0.5 **-**0.0 -250000 500000 500000 Rewiring 750000 1000000 250000 1000000 750000 Rewiring 1.00 -0.75 -Average.Path.Length Rich.Club 0.25 -0.00 -250000 500000 500000 Rewiring 750000 1000000 250000 750000 1000000 Rewiring 1.00 -1.5 -0.75 -Edge.Density Efficiency 0.5 -0.25 -0.00 -500000 Rewiring 250000 750000 1000000 250000 750000 1000000 500000 Rewiring Ines Verheyen Daan Dubois Emilie Petit Thibault Janssens Owner Jordan De Pauw Samuel Devos Lea Vandenberghe

Network statistics of majority (homogeneous society) 1.00 -1.00 -0.75 -0.75 **-**Small.World Clustering 0.25 -0.25 -0.00 -0.00 -500000 Rewiring 750000 1000000 250000 1000000 500000 Rewiring 250000 750000 1.0 -0.8 -0.5 0.6 Assortativity Modularity - F<sup>0</sup> 0.2 --0.5 **-**0.0 -250000 500000 500000 Rewiring 750000 1000000 250000 1000000 750000 Rewiring 1.00 -0.75 -Average.Path.Length Rich.Club 0.25 -0.00 -250000 500000 Rewiring 750000 500000 Rewiring 1000000 250000 750000 1000000 1.00 -1.5 -0.75 -Edge.Density Efficiency 0.5 -0.25 -0.00 -250000 500000 750000 1000000 1000000 250000 500000 750000 Rewiring Rewiring William De Meyer — Romain Thys Oceane Bauwens Kevin Jansen Owner Alexandre Van Dyck Yana Van Damme Milan Jacobs

Network statistics of majority (hypo-chaotic minority) 1.00 -0.75 -0.75 **-**Small.World Clustering 0.25 0.25 -0.00 -0.00 -500000 Rewiring 750000 500000 Rewiring 1000000 250000 1000000 250000 750000 1.0 -0.8 -0.6 Assortativity Modularity - F<sup>0</sup> 0.2 --0.5 **-**0.0 -500000 500000 Rewiring 250000 750000 1000000 250000 1000000 750000 Rewiring 1.00 -0.75 -Average.Path.Length Rich.Club 0.25 -0.00 -250000 500000 750000 500000 Rewiring 1000000 250000 750000 1000000 Rewiring 1.00 -1.5 -0.75 -Edge.Density Efficiency 0.5 -0.25 -0.00 -250000 500000 Rewiring 750000 1000000 250000 750000 1000000 500000 Rewiring Noah Wuyts Niels De Cock Morgane Leclercq Milan Verlinden Oceane Pauwels Owner Logan Wauters Ruben Declercq Anouk De Pauw Julien Thomas Loic Vermeiren

Network statistics of majority (hypo-coupled minority) 1.00 -0.75 -0.75 **-**Small.World Clustering -0.50 0.25 -0.25 -0.00 -0.00 -500000 Rewiring 750000 500000 Rewiring 1000000 250000 1000000 250000 750000 1.0 -0.8 -0.6 0.5 Assortativity Modularity - F<sup>0</sup> 0.2 --0.5 **-**0.0 -250000 500000 500000 Rewiring 750000 1000000 250000 1000000 750000 Rewiring 1.00 -0.75 -Average.Path.Length Rich.Club 0.25 -0.00 -250000 500000 Rewiring 750000 500000 Rewiring 1000000 250000 750000 1000000 1.00 -1.5 -0.75 -Edge.Density Efficiency 0.5 -0.25 -0.00 -500000 Rewiring 250000 750000 1000000 250000 750000 1000000 500000 Rewiring Audrey Claeys Seppe Jansen Martin Devos Margaux Bogaert Ines Lemaire **David Cornelis** Chiara Bosmans Celine Simon Ine Verheyen Hannah Bauwens

Network statistics of minority (hyper-coupled minority) 1.00 -0.75 -0.75 Small.World Clustering 0.25 -0.25 -0.00 -0.00 -500000 Rewiring 1000000 250000 1000000 250000 500000 Rewiring 750000 750000 1.0 -0.8 -0.6 0.5 Assortativity Modularity ... 0.2 --0.5 **-**0.0 --1.0 **-**750000 250000 500000 500000 Rewiring 1000000 1000000 250000 750000 Rewiring 1.00 -Average.Path.Length Rich.Club 0.25 0.00 -500000 Rewiring 500000 Rewiring 250000 750000 1000000 1000000 250000 750000 2.0 -1.00 -0.75 -Edge.Density Efficiency 0.25 -0.00 -250000 500000 750000 250000 750000 1000000 1000000 500000 Rewiring Rewiring Dorian Gerard Loic Van De Velde Alexandre Laurent Owner Jordan Vermeersch Daan Pauwels Maxim Declercq Lauren Mathieu

Network statistics of minority (hyper-chaotic minority) 1.00 -0.75 -0.75 Small.World Clustering 0.25 -0.25 -0.00 -0.00 -500000 Rewiring 1000000 250000 1000000 500000 Rewiring 750000 250000 750000 1.0 -0.8 -0.5 -Assortativity Modularity - F<sup>0</sup> 0.2 --0.5 **-**0.0 --1.0 **-**500000 250000 750000 1000000 1000000 250000 500000 750000 Rewiring Rewiring 1.00 -0.75 -Average.Path.Length Rich.Club 0.25 -250000 500000 500000 Rewiring 750000 1000000 1000000 250000 750000 Rewiring 1.00 -1.5 -0.75 -Edge.Density Efficiency 9.0 Manual Manual Commerce 0.5 -0.00 -500000 250000 750000 1000000 750000 250000 1000000 500000 Rewiring Rewiring Daan Dubois Emilie Petit Ines Verheyen Thibault Janssens Owner David De Ridder Jordan De Pauw Samuel Devos Lea Vandenberghe

Network statistics of minority (homogeneous society) 1.00 -1.00 -0.75 -0.75 **-**Small.World Clustering - 05.0 0.25 -0.25 -0.00 -0.00 -1000000 500000 Rewiring 1000000 250000 500000 Rewiring 750000 250000 750000 1.0 -0.8 -0.5 -Assortativity Modularity - F'0 0.2 --0.5 **-**0.0 -500000 500000 Rewiring 250000 750000 1000000 1000000 250000 750000 Rewiring 1.00 -0.75 -Average.Path.Length Rich.Club 0.25 -0.00 -500000 Rewiring 250000 500000 750000 1000000 250000 1000000 750000 Rewiring 1.00 -1.5 -0.75 -Edge.Density Efficiency 0.50 0.5 -0.00 -250000 500000 750000 1000000 750000 250000 500000 1000000 Rewiring Rewiring William De Meyer — Romain Thys Oceane Bauwens Kevin Jansen Owner — Yana Van Damme Alexandre Van Dyck Milan Jacobs

Network statistics of minority (hypo-chaotic minority) 1.00 -0.75 -0.75 Small.World Clustering - 0:50 0.25 -0.25 -0.00 -0.00 -500000 Rewiring 500000 Rewiring 1000000 1000000 250000 750000 250000 750000 1.0 -0.8 -0.6 0.5 Assortativity Modularity 4.0 0.2 --0.5 **-**0.0 -500000 Rewiring 250000 1000000 500000 Rewiring 750000 1000000 250000 750000 1.00 -Average.Path.Length Rich. Club 0.25 -0.00 -500000 Rewiring 1000000 250000 1000000 500000 Rewiring 750000 250000 750000 1.00 -0.75 -Edge.Density Efficiency 0.5 -0.25 -0.00 -500000 250000 750000 250000 500000 750000 1000000 1000000 Rewiring Rewiring Niels De Cock Morgane Leclercq Milan Verlinden Oceane Pauwels Owner Ruben Declercq Anouk De Pauw Julien Thomas Loic Vermeiren

Network statistics of minority (hypo-coupled minority) 1.00 -0.75 -0.75 **-**Small.World Clustering - 0:50 0.25 -0.25 -0.00 -0.00 -500000 Rewiring 500000 Rewiring 1000000 250000 750000 1000000 250000 750000 1.0 -0.8 -0.5 Assortativity Modularity 4.0 0.2 -0.5 **-**0.0 --1.0 **-**500000 500000 Rewiring 250000 750000 1000000 1000000 250000 750000 Rewiring 1.00 -Average.Path.Length 0.75 -Rich. Club 0.25 500000 500000 Rewiring 250000 750000 1000000 1000000 250000 750000 Rewiring 1.00 -1.5 -0.75 -Edge.Density Efficiency 0.5.0 0.5 -0.25 -0.00 -250000 500000 750000 1000000 250000 500000 750000 1000000 Rewiring Rewiring **Audrey Claeys** Martin Devos Seppe Jansen Margaux Bogaert Ines Lemaire **David Cornelis** Chiara Bosmans Celine Simon Ine Verheyen Hannah Bauwens

Network statistics of whole (hyper-coupled minority) 1.00 -0.75 -0.75 **-**Small.World Clustering - 05.0 0.25 -0.25 -0.00 -0.00 -500000 Rewiring 750000 1000000 250000 1000000 500000 Rewiring 250000 750000 1.0 -0.8 -0.6 0.5 Assortativity Modularity - F<sup>0</sup> 0.2 --0.5 **-**0.0 --1.0 **-**250000 500000 500000 Rewiring 750000 1000000 250000 1000000 750000 Rewiring 1.00 -0.75 -Average.Path.Length Rich.Club 0.25 -0.00 -250000 500000 Rewiring 750000 500000 Rewiring 1000000 1000000 250000 750000 1.00 -1.5 -0.75 -Edge.Density Efficiency 0.5 -0.25 -0.00 -250000 500000 750000 250000 750000 1000000 1000000 500000 Rewiring Rewiring — Arthur Lejeune Loic Van De Velde Sam Evrard Alexandre Laurent Owner Maxim Declercq Lauren Mathieu Jordan Vermeersch Sam Verheyen

Network statistics of whole (hyper-chaotic minority) 1.00 -0.75 -0.75 **-**Small.World Clustering - 0:50 0.25 -0.25 -0.00 -0.00 -500000 Rewiring 1000000 250000 1000000 500000 Rewiring 750000 250000 750000 1.0 -0.8 -0.5 0.6 Assortativity Modularity - F<sup>0</sup> 0.2 --0.5 **-**0.0 -500000 500000 Rewiring 250000 750000 1000000 1000000 250000 750000 Rewiring 1.00 -0.75 -Average.Path.Length Rich.Club 0.25 -250000 500000 500000 Rewiring 750000 1000000 1000000 250000 750000 Rewiring 1.00 -1.5 -0.75 -Edge.Density Efficiency 0.5 -0.25 -0.00 -250000 500000 750000 1000000 250000 750000 1000000 500000 Rewiring Rewiring Ines Verheyen Thibault Janssens Daan Dubois Emilie Petit Owner Jordan De Pauw Samuel Devos Lea Vandenberghe

Network statistics of whole (homogeneous society) 1.00 -0.75 -0.75 **-**Small.World Clustering 0.25 -0.25 -0.00 -0.00 -500000 Rewiring 1000000 250000 750000 1000000 500000 Rewiring 250000 750000 1.0 -0.8 -0.6 0.5 -Modularity - F'0 Assortativity 0.2 --0.5 **-**0.0 -250000 500000 500000 Rewiring 750000 1000000 250000 1000000 750000 Rewiring 1.00 -0.75 -Average.Path.Length Rich.Club 0.25 -0.00 -250000 500000 Rewiring 750000 500000 Rewiring 1000000 250000 750000 1000000 1.00 -1.5 -0.75 -Edge.Density Efficiency 0.5 -0.25 -0.00 -250000 500000 750000 1000000 750000 1000000 250000 500000 Rewiring Rewiring William De Meyer — Romain Thys Oceane Bauwens Kevin Jansen Owner Alexandre Van Dyck Yana Van Damme Milan Jacobs

Network statistics of whole (hypo-chaotic minority) 1.00 -0.75 -0.75 **-**Small.World Clustering 0.25 -0.25 -0.00 -0.00 -500000 Rewiring 750000 500000 Rewiring 1000000 250000 1000000 250000 750000 1.0 -0.8 -Assortativity Modularity - F'0 0.2 --0.5 **-**0.0 -500000 250000 750000 1000000 500000 Rewiring 1000000 250000 750000 Rewiring 1.00 -0.75 -Average.Path.Length Rich.Club 0.25 -0.00 -250000 500000 750000 500000 Rewiring 1000000 250000 750000 1000000 Rewiring 1.00 -1.5 -0.75 -Edge.Density Efficiency 0.5 -0.25 -0.00 -250000 500000 750000 250000 750000 1000000 1000000 500000 Rewiring Rewiring Niels De Cock Morgane Leclercq Milan Verlinden Oceane Pauwels Owner Ruben Declercq Anouk De Pauw Loic Vermeiren

Network statistics of whole (hypo-coupled minority) 1.00 -0.75 -0.75 **-**Small.World Clustering - 0:50 0.25 -0.25 -0.00 -0.00 -500000 Rewiring 1000000 250000 500000 Rewiring 1000000 250000 750000 750000 1.0 -0.8 -0.6 0.5 Modularity - F'0 Assortativity 0.2 --0.5 **-**0.0 -250000 500000 500000 Rewiring 750000 1000000 250000 1000000 750000 Rewiring 1.00 -0.75 -Average.Path.Length Rich.Club 0.25 -250000 500000 500000 Rewiring 750000 1000000 250000 750000 1000000 Rewiring 1.00 -1.5 -0.75 -Edge.Density Efficiency 0.5 -0.25 -0.00 -500000 Rewiring 250000 750000 1000000 250000 750000 1000000 500000 Rewiring Audrey Claeys Seppe Jansen Margaux Bogaert Martin Devos Ines Lemaire **David Cornelis** Chiara Bosmans Celine Simon Ine Verheyen Hannah Bauwens