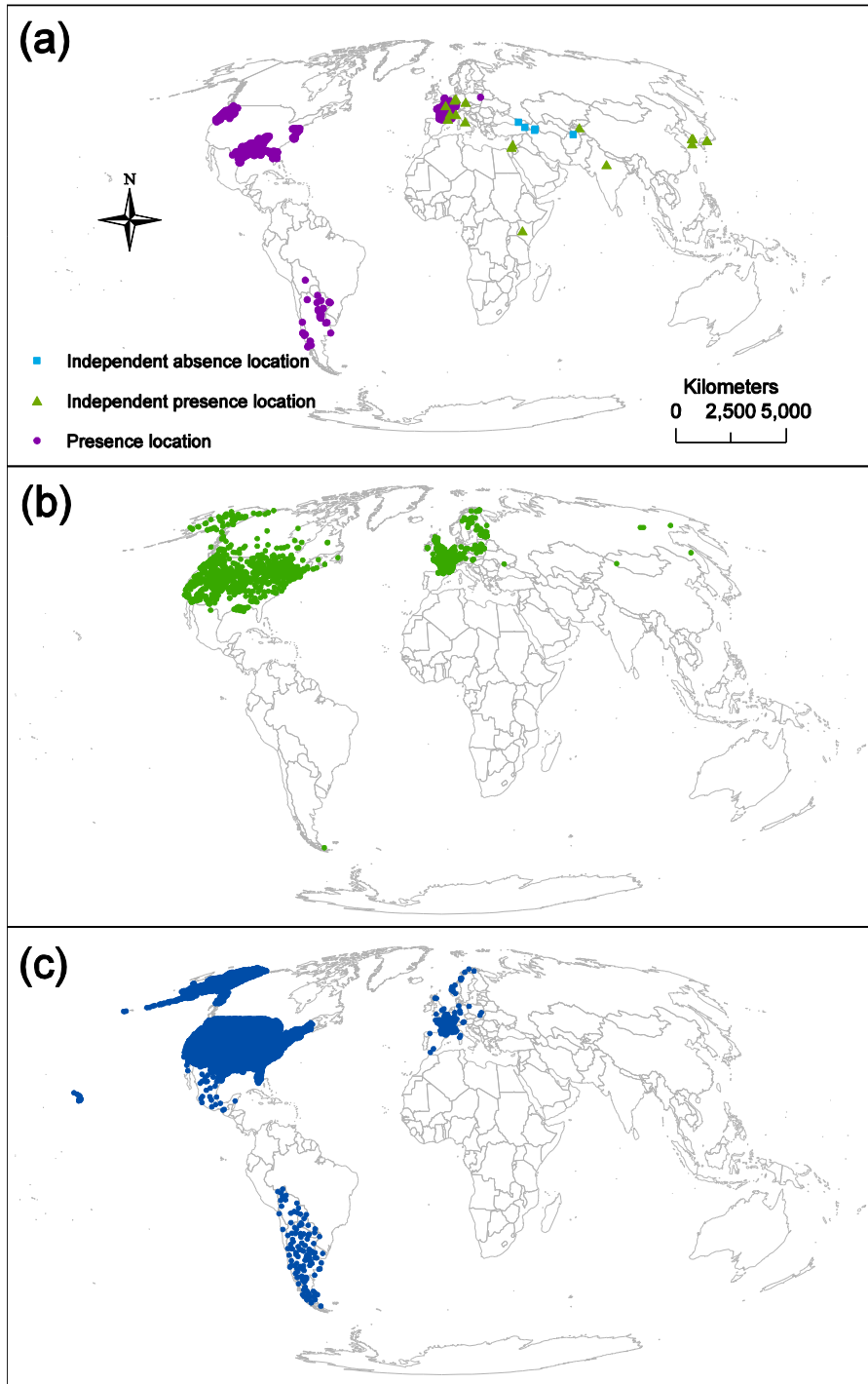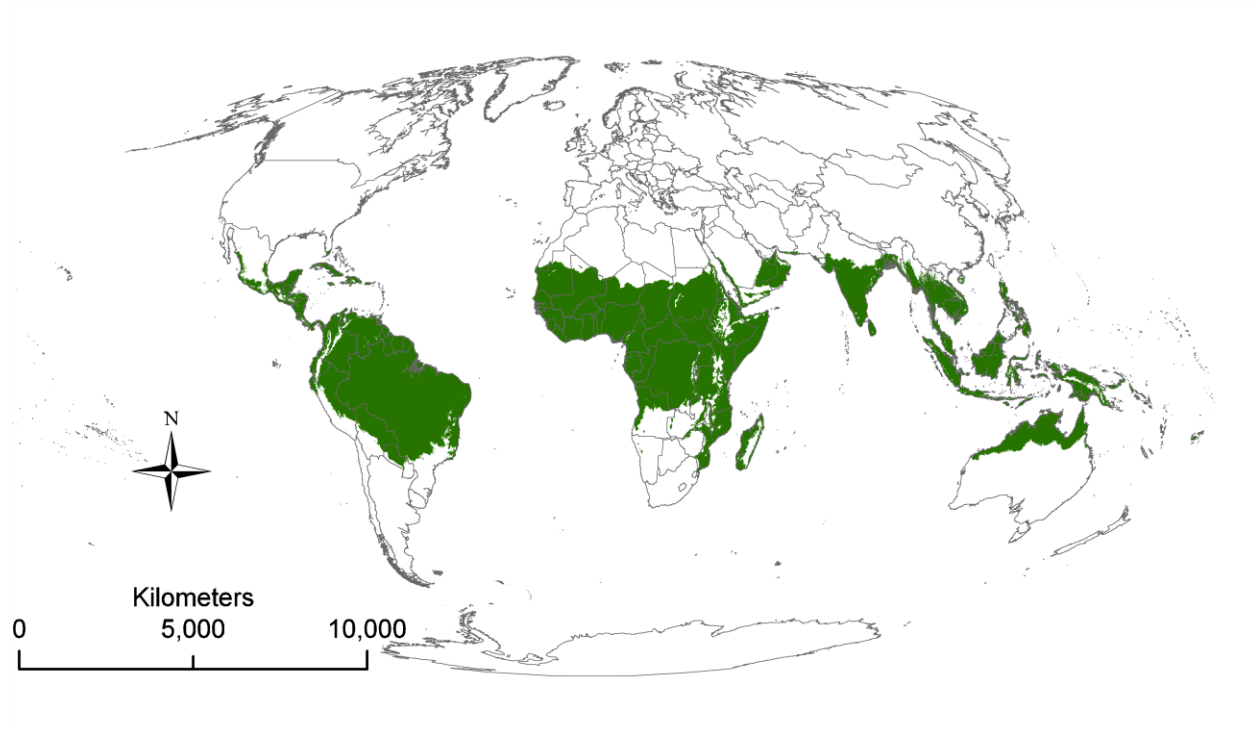Supplementary figures and table

Supplementary figure 1. Coypu (*Myocastor coypus* [Molina, 1782]) model training and test data including (a) occurrence and independent data, (b) target background data consisting of GBIF records of muskrat and (c) 10,000 background locations randomly generated within countries from which coypu occurrence data records occur. Map is in Mollweide projection.

Supplementary figure 2. Global distribution of tropical environments, defined using WorldClim climate data and the Koppen climate criteria for tropical climatic designation (each months average temperature >= 18 C; Peel et al. 2007).

Supplementary table 1. Global circulation model climate data used for forecasts of *Myocastor coypus* [Molina, 1782] distributions. Data were downloaded from the "Downscaled CMIP3 and CMIP5 Climate and Hydrology Projections" archive at http://gdo-dcp.ucllnl.org/downscaled_cmip_projections/.

Model Center or Group	Model Name	rcp26	rcp45	rcp60	rcp85
Commonwealth Scientific and Industrial Research Organization (CSIRO) and Bureau of Meteorology (BOM), Australia	ACCESS1.0		x		x
Beijing Climate Center, China Meteorological Administration	BCC-CSM1.1	x		x	
	BCC-CSM1.1(m)		x		x
Canadian Centre for Climate Modelling and Analysis	CanESM2	x	x		x
National Center for Atmospheric Research	CCSM4	x	x	x	x
Community Earth System Model Contributors	CESM1(BGC)		x		x
	CESM1(CAM5)	x	x	x	x
Centro Euro-Mediterraneo per I Cambiamenti Climatici	CMCC-CM		x		x
Centre National de Recherches Météorologiques / Centre Européen de Recherche et Formation Avancée en Calcul Scientifique	CNRM-CM5		x		x
Commonwealth Scientific and Industrial Research Organization in collaboration with Queensland Climate Change Centre of Excellence	CSIRO-Mk3.6.0		x	x	x
LASG, Institute of Atmospheric Physics, Chinese Academy of Sciences and CESS,Tsinghua University	FGOALS-g2	x	x		x
The First Institute of Oceanography, SOA, China	FIO-ESM	x	x	x	x
NOAA Geophysical Fluid Dynamics Laboratory	GFDL-CM3	x	x	x	x
	GFDL-ESM2G	x	x	x	x
	GFDL-ESM2M	x	x	x	x

Model Center or Group	Model Name	rcp26	rcp45	rcp60	rcp85
NASA Goddard Institute for Space Studies	GISS-E2-H-CC		x		
	GISS-E2-R	x	x	x	x
	GISS-E2-R-CC		x		
Met Office Hadley Centre (additional HadGEM2-ES realizations contributed by Instituto Nacional de Pesquisas Espaciais)	HadGEM2-A	x	x	x	x
	HadGEM2-CC		x		x
Institute for Numerical Mathematics	INM-CM4		x		x
Institut Pierre-Simon Laplace	IPSL-CM5A-LR	x	x	x	x
	IPSL-CM5A-MR	x	x	x	x
	IPSL-CM5B-LR		x		x
Atmosphere and Ocean Research Institute (The University of Tokyo), National Institute for Environmental Studies, and Japan Agency for Marine-Earth Science and Technology	MIROC5	x	x	x	x
Japan Agency for Marine-Earth Science and Technology, Atmosphere and Ocean Research Institute (The University of Tokyo), and National Institute for Environmental Studies	MIROC-ESM-CHEM	x	x	x	x
Max-Planck-Institut für Meteorologie (Max Planck Institute for Meteorology)	MPI-ESM-LR	x	x		x
	MPI-ESM-MR	x	x		x
Meteorological Research Institute	MRI-CGCM3	x	x		x
Norwegian Climate Centre	NorESM1-M	x	x	x	x