Supplementary Table S1: Overview over nutritional composition of the scenarios.

		School A				School B				School C			
Energy	Baseline total (MJ)	151738.2				214387.4				119078.0			
	Baseline (MJ/kg)	7.2				10.2				6.5			
	NB total (MJ)	144385.8				206305.7				111245.8			
	NB (MJ/kg)	6.8				9.8				6.1			
	HMF total (MJ)	154447.4				217449.5				121792.6			
	HMF (MJ/kg)	7.3				10.3				6.6			
	VEG total (MJ)	162630.5				222416.9				137080.4			
	VEG (MJ/kg)	7.6				10.5				7.2			
	DDG total (MJ)	134750.0				162339.9				125200.1			
	DDG (MJ/kg)	6.4				7.7				6.8			
Macro-nutrients		Protein	Carbo-hydrate	Fat	Animal fat (excl. fish)	Protein	Carbo-hydrate	Fat	Animal fat (excl. fish)	Protein	Carbo-hydrate	Fat	Animal fat (excl. fish)
	Baseline	14.9	48.3	36.8	16.2	12.6	41.2	46.2	18.8	17.2	47.8	35.0	19.4
	NB	15.7	50.5	33.8	12.1	13.1	42.6	44.2	15.7	18.4	50.9	30.7	13.9
	VEG	15.4	55.6	29.1	8.2	13.0	47.5	39.5	11.9	17.9	58.1	23.9	7.7
	DDG	14.6	50.5	34.9	10.6	13.9	52.5	33.6	12.9	14.6	55.2	30.2	9.8

Supplementary Table S2. Average emission factors across databases and confidence intervals.

	Emission factor (kg CO2e/kg)			Mean emission factor kg CO2e/kg)	Standard deviation	Confidence interval for population mean (+/- %)
	UCPH	DSK	CFP			
Beef & buffalo meat	28.1	36.4	37.4	34.0	5.1	17%
Lamb/mutton & goat meat	28.1	27.4	39.6	31.7	6.8	24%
Pork (pig meat)	6.4	3.8	8.1	6.1	2.1	40%
Poultry (chicken, turkey)	4.4	2.4	6.7	4.5	2.1	54%
Butter	11.5	3.9	11.4	9.0	4.4	55%
Cheese	8.2	6.2	8.8	7.8	1.4	20%
Ice cream	5.3	2.8	3.8	4.0	1.2	35%
Cream	5.3	2.1	6.9	4.8	2.4	57%
Milk (cow's milk)	1.4	0.6	1.8	1.3	0.6	53%
Yogurt	2.5	1.4	2.8	2.2	0.7	38%
Eggs	3.4	0.9	3.9	2.7	1.6	68%
Fish (finfish)	3.7	7.7	4.8	5.4	2.1	44%
Crustaceans (shrimp/prawns)	14.9	10.5	19.3	14.9	4.4	33%
Beans and pulses (dried)	1.0	1.3	0.9	1.1	0.2	21%
Peas	0.9	1.0	0.8	0.9	0.1	14%
Peanuts/groundnuts	1.0	2.6	1.7	1.8	0.8	51%
Soybeans/Tofu	1.0	1.3	2.2	1.5	0.7	49%
Grains/cereals (except rice)	0.7	1.5	1.6	1.3	0.5	40%
Corn (Maize)	0.5	0.7	0.9	0.7	0.2	32%
Oats (Oatmeal)	0.4	0.9	1.1	0.8	0.4	53%
Wheat/Rye (Bread, pasta, baked goods)	0.8	0.9	1.9	1.2	0.6	55%
Rice	2.7	1.3	4.3	2.7	1.5	63%
Tree nuts and seeds	0.9	3.3	2.4	2.2	1.2	62%
Soy milk	0.6	0.3	0.4	0.4	0.2	46%
Fruits (misc.)	0.4	1.6	0.4	0.8	0.7	97%
Apples	0.3	0.7	0.3	0.4	0.2	52%
Bananas	0.8	1.0	0.7	0.8	0.1	18%
Berries	0.8	0.9	1.1	0.9	0.2	22%
Citrus Fruit	0.3	0.9	0.4	0.5	0.3	65%
Cabbages and other Brassicas (Broccoli)	0.3	0.4	0.6	0.4	0.1	35%
Tomatoes	0.9	1.7	1.0	1.2	0.5	44%
Root Vegetables	0.2	0.4	0.3	0.3	0.1	20%
Onions and Leeks	0.2	1.1	0.3	0.6	0.5	97%
Other vegetables	0.6	0.8	0.6	0.7	0.1	17%
Potatoes	0.2	0.4	0.4	0.3	0.1	32%
Cassava and Other Roots	0.5	1.4	0.4	0.7	0.5	82%
Sugars and sweeteners	1.0	2.0	1.5	1.5	0.5	36%
Vegetable oils (misc.)	1.9	3.6	3.7	3.1	1.0	38%
Sunflower (Oil)	1.7	2.5	2.1	2.1	0.4	21%
Rapeseed/canola (Oil)	1.9	3.8	3.2	3.0	1.0	38%
Olives (Oil)	3.2	3.8	5.5	4.2	1.2	32%
Barley (Beer)	0.8	1.6	0.9	1.1	0.4	44%
Wine Grapes (Wine)	1.1	1.3	1.1	1.2	0.1	10%
Cocoa	2.8	4.1	10.5	5.8	4.1	81%
Coffee	3.9	3.5	16.7	8.0	7.5	106%
Stimulants & Spices (misc.)	1.2	1.9	9.4	4.2	4.5	122%