GLOBAL NETWORK PROJECT DATA TEMPLATE-updated Nov'14;
Note: Provide data for as many variables as possible. The minimum variables required include: animal & experiment information, methane production, milk production or growth rate, DMI, and diet composition.

CODE	Description	Units
CONID	Name and affiliation of contributor	
OBS	Observation number	
ANIMID	Animal ID number	
EXP	Experiment code (if contributing data from multiple exps.)	
TRT	Treatment code (control; type of treatment - i.e., diet change, feed additive, microbial, inhibitor, etc.)	
DIETCODE	Diet code within study (i.e., 1, 2, 3…….n)	
PER	Period number, if a change-over/cross-over design trial	
Status	Animal status - lactating, growing, etc.	
Cannulati	Cannulated or non-cannulated animals	
Housing	Confinement or Pasture	
Additives	Additives used such as ionophores	
Design	Exp. design (change-over/cross-over - CO, randomized - RD, etc) - for CO provide animal/period data	
Duration ADAPT	Duration of treatment before data were collected	days
DurationEXP	Duration of data collection (i.e., methane or N excretion)	days
FeedComp	Feed composition analysis - indicate if measured traditional or NIR	
DIM	Days in milk (if lactating)	days
MeatAge Start	For meat producing animals; age of the animal at the start of the exp	days
MeatAge End	For meat producing animals; age of the animal at the end of the exp	days
MeatDuration	For meat producing animals; duration of the exp	days
MeatADG	For meat producing animals; average daily gain	kg
MeatCarcDG	For meat producing animals; average carcass weight gain	kg
YEAR	Year of publication (if not published, indicate 'unpublished')	
Source	Journal/reference or unpublished	
Location	E.g., Davis, CA; Reading, UK, etc…..	
FEEDOF	Feed offered ad libitum or restricted	
FORDM	Forage DM - if TMR there will be no concentrate	kg/d

FORTYPE.1	Forage type 1 - grass silage, corn silage, hay etc & proportion in total forage DM	%
FORTYPE.2	Forage type 2 - grass silage, corn silage, hay etc & proportion in total forage DM	%
CONDM	Concentrate DM - if TMR there will be no concentrate	kg/d
CONTYPE	Concentrate type	
F:C	Forage to Concentrate ratio	
DMI	Dry matter intake	kg/d
GE	GE content of diet	MJ/kg DM
CP	CP content	g/kg
EE	Ether Extract intake	g/d
ASH	Ash intake	g/d
NDF	NDF intake	g/d
ADF	ADF intake	g/d
LIG	Lignin intake	g/d
STA	Starch intake	g/d
RumenpH	Rumen pH	pH units
RumenN	Rumen ammonia	mmol/L
RumenTo	Rumen total VFA concentration	mmol/L
RumenAc	Rumen acetate, molar % of total VFA	%
RumenPr	Rumen propionate, molar % of total VFA	%
RumenBu	Rumen butyrate, molar % of total VFA	%
RumenPR	Rumen passage rate of particulate phase	%/h
RumenPR	Rumen passage rate of liquid phase	%/h
RumMeth	Method of rumen sampling (cannula, tube)	
BUN	Blood (plasma) urea N	g/kg
DMDP	DM digestibility percentage	%
OMDP	Organic matter digestibility percantage	%
GEDP	Gross energy digestiblity percntage	%
DEDP	Digestible energy digestion percentage	%
NDP	Apparent N digestiblilty %	%
CDP	Carbon digestibility	%
EEDP	Ether extract digestibility	%
CFDP	Crude fibre digestibility	%
ASHDP	Ash digestibility	%
OMDP	OM digestibility	%
NDFDP	NDF digestibility	%
NDSADP	Nutrient detergent solubles digestibility	%
ADFDP	ADF digestibility	%
STADP	Starch digestibility	%
NFEDP	NFE digestibility	%
FECN	Fecal N	g/d
UN	Urine N	g/d
ManureN	Manure ammonia emission (if available)	specify units
ManureN	Manure nitrous oxide emission (if available)	specify units

SoilN2O	Soil nitrous oxide emission (if available)	specify units
MILKGE	Milk GE	MJ/d
MILKFat	Milk fat	%
MILKPrt	Milk protein (specify crude or true)	%
MILKLACT	Milk lactose	%
MILK_D	Milk production	kg/d
MUN	Milk urea N	mg/dL
MFA4:0	Milk fatty acid, C4:0	g/100g total
MFA6:0	Milk fatty acid, C6:0	g/100g total
MFA8:0	Milk fatty acid, C8:0	g/100g total
MFA10:0	Milk fatty acid, C10:0	g/100g total
MFA12:0	Milk fatty acid, C12:0	g/100g total
MFA14:0	Milk fatty acid, C14:0	g/100g total
MFA16:0	Milk fatty acid, C16:0	g/100g total
MFA18:0	Milk fatty acid, C18:0	g/100g total
MFAtrans	Milk fatty acid, trans C18:1	g/100g total
MFAcis9	Milk fatty acid, cis-9 18:1	g/100g total
MFA18:2	Milk fatty acid, C18:2 n-6	g/100g total
MFA18:3	Milk fatty acid, C18:3 n-3	g/100g total
CH4	Methane production	g/d
CH4Method	Methane measuring method chamber, SF6, version of SF6, GreenFeed, etc)	
SPECIES	Anima Species	
CattleBRED	1 = Holestein; 2=Jersey; 3 = Ayrshire; 4 = Hereford; 5 = Angus; 6 = Angus x Hereford;	
SheepBRE	(use your own coding)	
SEX	1 = male; 2= female	
AGE	Age in months	months
BW	Body weight - used to calc metabolic BW	kg
	Microbial data (if available)	
Methano	Total methanogens	rrs or mcrA
Methano	Methanobrevibacter	% of total
Methano	Methanosphaera	% of total
Methano	Methanomicrobium	% of total
Methano	Rumen cluster C	% of total
Bacteria	Bacteroidetes/Firmicutes ratio	
Bacteria	Prevotella	% of total
Bacteria	Clostridium	% of total
Bacteria	Eubacterium	% of total
Bacteria	Butyrivibrio	% of total
Bacteria	Ruminococcus	% of total
Bacteria	Insert more genera or genus-level OTUs with % greater than 5%	% of total bacteria
Bacteria	Fibrobacter succinogenes	rrs gene
Bacteria	Ruminococcus flavefaciens	rrs gene
Bacteria	Ruminococcus albus	rrs gene
Fungi	total	ITS1 copies/g

Fungi	Anaeromyces	% of total
Fungi	Caecomyces	% of total
Fungi	Cyllamyces	% of total
Fungi	Neocallimastixs	% of total
Fungi	Orpinomyces	% of total
Fungi	Piromyces	% of total
Protozoa	Total protozoa	rrs gene
Protozoa	Entodinium	% of total
Protozoa	Epidinium	% of total
Protozoa	Dasytricha	% of total
Protozoa	Isotricha	% of total