ΕN А FP5RTD 2 ProTool generated FOR COMMISSION USE ONLY

## For guidelines see in relevant "Guide for Proposers"

**Proposal submission forms for** financial support from the EC for shared-cost RTD actions: research and technological development projects, demonstration projects, and combined projects

If possible, these forms should be prepared using the Proposal Preparation Tool (ProTool), which is available via the Commission Internet site http://www.cordis.lu/fp5/protool or on CD-Use of the Proposal Preparation Tool is preferred by the Commission. However ROM. applicants may also use the forms in the Guide for Proposers. Using the ProTool, forms may be submitted electronically, or printed out and returned on paper.

Information on the Proposal <sup>1</sup>													
Proposal Full Name	Multilingual N	ultilingual Upper-Level Electronic Commerce Ontology											
Proposal Acronym <sup>5</sup>	MULECO		Proposal No <sup>6</sup>										
Call Identifier <sup>3</sup>	7th Call												
Research Programme(s) <sup>2</sup>	IST-2001	IST-2001											
Thematic priorities <sup>2</sup>	IST-2001-2.1.4	IST-2001-3.3.1											

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			Shared Cost	RTD Propos	sal Form – F	orm A	1			
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A1.		Proposal	Administrativ	e Overv	view <sup>1</sup>					
Thematic priorities <sup>2</sup>	IST-2001-	2.1.4 IST	-2001-3.3.1							
Type of Action <sup>4</sup>	RS									
Proposal Full Name	Multilir	ngual Uppe	er-Level Elec	tronic	Commer	ce Or	ntol	.ogy	7	
Contact person for th	ne proposal(	(s) <sup>7</sup>								
Title (Dr, Prof.,)	Mr.			Ge	ender <sup>8</sup>	F		М	X	
Family Name	Bryan									
First Name	Martin								-	
Organisation Legal Name <sup>9</sup>	The SGMI	L Centre								
Department / Institute Name <sup>10</sup>										
PO Box <sup>11</sup>								_		
Street Name and Number	29 Oldbury Orchard									
Post Code <sup>12</sup>	GL3 2PU		Cedex <sup>13</sup>							
Town/City	Churchdo	own, Glos.								
Country Code 14	UK Co	ountry Name <sup>14</sup>	United King	Jdom					_	
Telephone No <sup>15</sup>	(44-1452	2)714029	Fax No 15	( 4	4-1452)	7140	29		_	
E-mail	mtbryan@	@sgml.u-ne	et.com							
Proposal abstract (m										
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Duly authorised by the of this proposal and the partners and that the co Date (DD/MM/YYYY)	e information	partners to send on forms A1, A ellectively agree	this proposal to the A2, A3 and A4 is acc	e Commissi urate and ag	<u>ion,</u> I certify greed to by	the cor			ic	





A2.

EUROPEAN COMMISSION
RESEARCH DIRECTORATES
GENERAL
SHARED COST
RTD PROPOSAL FORMS

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Proposal No 6

Proposal Acronym <sup>5</sup> MULECO

**Proposal Summary 22** 

## **Objectives (maximum 1000 characters)**

To research and develop an upper-level ontology for describing electronic commerce applications in a format that can be used to identify the relationships between ontologies, etc, used in different languages within electronic commerce applications. The upper-level ontology will take as its start point existing standardized industry and process classification schemes. The project will extend currently used techniques for data classification, based on hierarchical classification of terms into broader and narrower meanings, by allowing for more complex relationships, in particular those describing the relationships of wholes and parts which are vital to the mapping of the relationships between business processes.

## Description of the work (maximum 2000 characters)

The project will study existing methods for defining addressable ontologies before determining a methodology for expressing addressable multilingual ontologies.

The project will study existing open source tools for recording ontologies before developing a toolkit for creating addressable multilingual ontologies.

Once the toolkit is available, and a study of existing upper-level schemes for classifying business information has been completed, the project will develop an addressable multilingual upper-level ontology and make it available over the Internet. On completion of the first version of the ontology, which will be based on a limited set of languages, the project team will evaluate the relationships between existing electronic ontologies and the multilingual upper-level ontology and show how the ontology can be integrated with existing applications based on FIPA-compliant intelligent agents.

The project will spend a significant amount of time liaising with other IST projects working on the development of the Semantic Web and related subjects. It will also work with both the CEN/ISSS Electronic Commerce Workshop and FIPA to ensure that the proposed methodology meets the needs of user communities. A CEN Workshop Agreement will be drafted by the project team.

## Milestones and expected results (maximum 500 characters)

Report on characteristics needed for multilingual e-commerce ontologies Report evaluating existing tools for recording ontologies Report evaluating existing schemes for classifying business information Methodology for expressing addressable multilingual ontologies Open-source toolkit for the capture of multilingual ontologies Multi-lingual ontology Report on linking e-commerce ontologies to MULECO

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Short Name 29	SIC		Legal Re	gistration	No <sup>30</sup>					
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First Name	Gerhar	rd								
Telephone No <sup>15</sup>	(43-46	53)27003752 <b>F</b>	ax No <sup>15</sup>		(43-46	53)27	003	799		
E-mail		rd.friedrich@uni		c.at						
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Shared Cost RTD Proposal Form – Form A4 (2/2)

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Title (Dr, Prof.,)					Gender	8	F	м	X
Family Name	Bryan								
First Name	Martin								
Telephone No <sup>15</sup>			ax No <sup>15</sup>		(44-14	452)71	4029		
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I certify that the above		on is accurate and that m	y organisat	tion has ag	greed to p	articipate	e in this	propo	osal.
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Activity Type <sup>31</sup>	IND	Legal Status 32	PRC	-	'PRC', Specify <sup>33</sup> Consultant					
Business Area <sup>34</sup> (NACE)		User/Supplier <sup>35</sup> (U / s)	U		sis <sup>36</sup> (FC / F					
Organisation details	37									
Annual turnover <sup>38</sup>	NA	Annual Balance Sheet T	otal 39	B1	Number	er of employees <sup>40</sup>				
Is Your Organisation in	dependen	t <sup>41</sup> ?						Х	N	
If No, please indicate legal name(s) of	-									
owner(s) who own										
25 % or more <sup>42</sup>	42									
le Vour Organization of	filiated to	any other participant(s) in	n the prop	acal <sup>43</sup> 2			Y		N	X
				<b>USAI</b> !					I	
If Yes, please indicate Participant No, Short										
Name(s) and character									I	
of affiliations(s) (D / I) <sup>44</sup>									I	
	departme	ent carrying out the wor	<b>'k</b> <sup>45</sup>							
Department/ Institute Name <sup>10</sup>	IC Focus Ltd									
PO Box <sup>11</sup>										
Street Name and Number	42 Clifton Street									
Post Code <sup>12</sup>	N8 8JA Cedex <sup>13</sup>									
Town/City	LONDON	N								
Country Code <sup>14</sup>	UK	Country Name <sup>14</sup> U	nited Ki	ngdom						
Authorised person <sup>46</sup>	I									
Title (Dr, Prof.,)					Gender <sup>8</sup>	3	F	Х	М	
Family Name	Li									
First Name	Man-S:	ze								
Telephone No <sup>15</sup>		F	ax No <sup>15</sup>							
E-mail		I								
I certify that the above	informatio	on is accurate and that my	/ organisat	ion has ag	greed to pa	articipa	ite in	this p	oropc	osal.
Date (DD/MM/YYYY)	17/09/2001									
Signature of authorised	l person									

			Shared Co	st RTD Proposal Fo	rm – Form A3	
EUROPEAN EUROPEAN Research Di General Shared Cost RTD Propos	r	EN D 2 ProTool genera FOR COMMISSION				
Proposal Acronym <sup>5</sup>	MULECO Proposal No <sup>6</sup>					
A3.	Particip	oant Profile/Info	ormatio	<b>DN</b> (1 form per pa	rticipant) <sup>23</sup>	
Legal information on				<u> </u>	. ,	
Participant Role <sup>24</sup>		rticipant No <sup>25</sup>	7	Assistant to Contr	actor No 26	
Registration No with th	e European Cc	ommission's Research	n Program	mes <sup>27</sup>		<u> </u>
Organisation Legal Name <sup>28</sup>						
Short Name 29			Legal Re	gistration No <sup>30</sup>		
Activity Type <sup>31</sup>	Leg	gal Status <sup>32</sup>		If 'PRC', Specify <sup>33</sup>		
Business Area <sup>34</sup> (NACE)		er/Supplier <sup>35</sup> (U / S)		Cost Basis <sup>36</sup> (FC / I	FF / AC)	
Organisation details					.,,,,,	
Annual turnover <sup>38</sup>		nual Balance Sheet To	otal 39	Number	of employees <sup>40</sup>	
Is Your Organisation in	dependent <sup>41</sup> ?	,		<u>                                      </u>	Y X	N
If No, please indicate legal name(s) of owner(s) who own 25 % or more <sup>42</sup>						
Is Your Organisation af	filiated to any	other participant(s) ir	the propo	osal <sup>43</sup> ?	Y	N X
If Yes, please indicate Participant No, Short Name(s) and character of affiliations(s) (D / I) <sup>44</sup>						
Address of the main	department c	arrying out the wor	<b>k</b> <sup>45</sup>			1
Department/ Institute Name <sup>10</sup>						
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Street Name and Number						
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Country Code <sup>14</sup>	Со	untry Name <sup>14</sup>				
Authorised person <sup>46</sup>		1		1		
Title (Dr, Prof.,)				Gender	8 F X	М
Family Name						
First Name						
Telephone No <sup>15</sup>		F	ax No <sup>15</sup>			
E-mail		4				
I certify that the above	information is	accurate and that my	organisat	ion has agreed to p	articipate in this r	proposal.
Date (DD/MM/YYYY)	17/09/20	01				
Signature of authorised	l person					

			Shared Co	st RTD Proposal Fo	orm – Form A3	
RESEARCH DI	r	EN D 2 ProTool genera For commission				
RTD PROPOS	AL FORMS					
Proposal Acronym <sup>5</sup>	MULECO			Proposal No <sup>6</sup>		
A3.	Partici	pant Profile/Inf	ormatio	DN (1 form per pa	articipant) <sup>23</sup>	
Legal information on	the particip	oating organisation				
Participant Role 24	Pa	articipant No <sup>25</sup>	8	Assistant to Cont	ractor No <sup>26</sup>	
Registration No with the	e European C	Commission's Researc	h Program	mes <sup>27</sup>		
Organisation Legal Name <sup>28</sup>				I		
Short Name 29			Legal Re			
Activity Type <sup>31</sup>	Le	egal Status <sup>32</sup>		If 'PRC', Specify <sup>33</sup>		
Business Area <sup>34</sup> (NACE)		ser/Supplier <sup>35</sup> (U / S)		Cost Basis <sup>36</sup> (FC /		
Organisation details			I		,	
Annual turnover <sup>38</sup>		nnual Balance Sheet T	otal 39	Numbe	r of employees <sup>40</sup>	
Is Your Organisation in	dependent <sup>41</sup> '	?			Y X	N
If No, please indicate						
legal name(s) of owner(s) who own						
25 % or more <sup>42</sup>						
Is Your Organisation af	filiated to any	y other participant(s) ii	n the propo	osal <sup>43</sup> ?	Y	NX
If Yes, please indicate					i	
Participant No, Short Name(s) and character						
of affiliations(s)						
(D / I) <sup>44</sup>	L		- 45			
Address of the main	department	carrying out the wor	' <b>k</b> <sup>‡</sup> 3			
Department/ Institute Name <sup>10</sup>						
PO Box <sup>11</sup>						
Street Name and Number						
Post Code <sup>12</sup>		C	edex <sup>13</sup>			
Town/City		I		I		
Country Code <sup>14</sup>	Ca	ountry Name <sup>14</sup>				
Authorised person <sup>46</sup>		, ,				
Title (Dr, Prof.,)				Gender	<sup>8</sup> F <sup>X</sup>	м
Family Name				I	I	<u>ı I</u>
First Name						
Telephone No <sup>15</sup>		F	ax No <sup>15</sup>			
E-mail		· · ·				
I certify that the above i	information i	s accurate and that m	( organieat	ion has agreed to r	articinate in this	nroposal
Date (DD/MM/YYYY)	17/09/20		, organisat	ion nuo agreeu io p		
Signature of authorised	person					

- 	Shared Cost RTD Proposal Form – Form A2
**** EUROPEAN COMMISSION   * RESEARCH DIRECTORATES   * GENERAL   **** SHARED COST   RTD PROPOSAL FORMS	EN C 2 FP5RTD Protool generated FOR COMMISSION USE ONLY
Proposal Acronym <sup>5</sup> MULECO	Proposal No <sup>6</sup>
A2.	Proposal Summary <sup>22</sup>
Objectives (maximum 1000 characters	5)
	es into the Semantic Web into electronic commerce time extending the concepts to deal with inter-
Description of the work (maximum 20	000 characters)

Milestones and expected results (maximum 500 characters)

API for requesting language equivalences CWA, Papers, Presentations, etc