							1	low each article addresses the				
								relevant research question				
Publications	Data collection	Sampling procedures		Number of	Research Question 1: Can an online 3D multiuser Sub-question 2: What impact Sub-question 3:							
	instruments used	used	techniques	participants	virtual world be implemented to create additional				with programmed non-character players		barriers to the wider adoption of a	
					opportunities for meaningful interaction in the		on learner interaction and foreign	learner interaction with "expert" or	activate any of the mechanisms	approach have on foreign language	model like the Chinese Island approach	
					language being learned for, in particular, non-			native speakers? (Publication 4 & 7)				
					background beginner level learners of Chinese		(Chapter 6, Publications 4-7)		that can create conditions for	factors in foreign language acquisition?	educators? How can they be reduced?	
					within the constraints of a traditional tertiary				acquisition? (Publication 4)	(Publications 5, 6, 7)	(Chapter 7, Publication 8)	
					foreign language curriculum and foreign language							
					classroom? (Chapter 5, Publications 1-3)							
Publication	Boulous of rolosport	- Examination of all	Discourse analysis	Not available	Addresses this question by analysing the needs of	N/A	N/A	N/A	N/A	N/A	N/A	
ublication	literature	learner output	- Discourse arranysis	IVOC AVAIIADIE	the students involved with the initial trials of the	19/4	170	14/6	14/6	14/5	14/6	
	- Anecdotal &	during lesson			virtual world and investigating the ways in which							
	observational data	- Examination &			the virtual world environment could meet these							
	collection	analysis of logs of all			needs. Looks at infrastructure needed for and							
	- Student written	student			other trends in online use conducive to the use of							
	output	conversations with			such a platform. Looks at how principles of							
	- Post-lesson analysis	virtual characters			language acquistion can be incorporated.							
	of logged dialogues											
Publication	- Review of relevant	- Voluntary	- Descriptive	n = 112	Outlines limitations of formal	N/A	N/A	N/A	N/A	N/A	N/A	
,	literature	participation in	statistics (measures	111	curriculum/classroom that can be addressed by 3D		177		.,,,,	.,,,	.,,,,	
•	- Student feedback	anonymous online	of frequency)		virtual world. Uses theoretical framework of							
	surveys (one direct,	survey	or frequency)		constructivism to analyse existing curriculum and							
	two reported from	- Entire student	1		how lessons in 3D multiuser virtual world can be							
	other papers	cohort in the subject	1		integrated into and compliment it.							
	published by author	offered opportunity	1		-							
	& colleagues)	to undertake survey										
Publication	 Review of relevant 	- Voluntary	- Qualtiative	n = 21	Focus is on the incorporation of formal assessment		N/A	N/A	N/A	N/A	N/A	
3	literature	participation in	(content) analysis in		into the virtual world lessons and reporting on	alignment of expectations between						
	- Student focus	anonymous online	the light of the		strengths and weaknesses of the approach from	instructor and students in relation to		1	1		I	
	groups data	survey & focus	conceptua		both instructor, learner and formal curriculum	assessment conducted in the 3D virtual						
	- Interviews with lecturer	groups - Entire student	framework established for the		perspectives. The study concludes that both incorporation of such an approach is viable, that it	world environment. It also proposes a						
	- Subject artefacts		study: Affordances, Processes and		can provide additional opportunities for	problem.						
	- Case study notes	offered opportunity to undertake survey			meaningful interaction, and that formal assessment can also be incorporated in the virtual							
		to undertake survey	Policies		world environment on the proviso that measures							
					are taken to align instructor and learner							
					expectations							
ublication	- Review of relevant	- Random sample	- Discourse analysis	n = 54		N/A	Based on a review of the literature, the			N/A	N/A	
1	literature	- Conversation logs	- Descriptive		authentic conversations with NPCs in authentic		paper postulates that the use of an		breakdown, feedback, and repair were			
	- Conversations	analsyed in detail	statistics (measures		scenarios provided learners with oppotunities to		avatar as the embodied self in the		found during analsyis of conversation			
	between students and NPCs logged	(discourse analysis)	of frequency)		make important form-function links in the target language without interrupting the flow of		virtual environment aids in the	to engage in learning with a specific focus. Moreover, problems arise	logs. This suggests that the mechanism of negotiation of meaning was activated			
	and NPCS logged				communication, to notice differences between		reduction of foreign language anxiety.	with coordinating time constraints	during interaction.			
					their interlanguage and the language modelled by			of formal curriculum with	during interaction.			
					the NPCs, and to produce modified ouput.			availability of native speakers.				
Publication	- Review of relevant		-Descriptive statistics	n = 55	N/A	N/A	See sub-question 3	N/A	N/A	Factors likely to cause anxiety in the	N/A	
5	literature	participation	(measures of							classroom were identified & quantified.		
	- Online pre and post-		frequency)							Students were found to experience less		
	lesson surveys		- Quantitative							foreign language anxiety in relation to		
			analysis (2-tailed							similar factors in the virtual		
			Pearson Correlations							environment. However, issues such as		
	1	1	 Qualitative analysis (content analysis) 					1	1	the need to provide more support to older and inexperienced learners in the	I	
	1	1	(content analysis)							virtual environment were also identified.		
		1								were also identified.		
Publication	- Pre and post-lesson	- Voluntary participation	 Descriptive statistics (measures of 	Pre: n = 62 Post: n = 55	N/A	N/A	See sub-question 3	N/A	N/A	Addresses the sub-question with two findings:	N/A	
,	surveys	participation		rust: n = 55				1	1		I	
	1	1	frequency) - Quantitative					1	1	- students experience less FLA in the 3D MUVE environment than in the face-to-	I	
	1	1	- Quantitative analysis (2-tailed					1	1	face classroom setting.	I	
	1	1	Pearson Correlations							- the more students feel the two worlds		
			- Qualitative analysis							of the virtual environment and the real		
	1	1	(content analysis)					1	1	word are similar, the more motivated	I	
	1	1						1	1	they are to engage with the classes and	1	
	1	1	1					1	1	communicative activities in the virtual	I	
			1							world but at the cost of feeling more		
										anxious.		
Publication	- Pre and post-lesson	- Voluntary	- Quantitative	Pre: n = 35	For students who may not have the opportunity to				1	Addresses the sub-question with the		
,	surveys	participation	analysis (2-tailed	Post: n = 33	participate in study abroad at all, task-based					following findings:		
	1		Pearson, Cronbach's		learning in the MUVE environment could			1	1	- all groups in study experienced	I	
	1	1	alpha, paired T-tests,		potentially provide an opportunity to experience					reduced foreign language anxiety in the		
	1	1	eta ²)		target language use in contexts that are as close to			1	1	virtual environment (albeit of different	1	
	1	1	-Descriptive statistics		authentic settings (the world outside the			1	1	degrees)	1	
			(measures of		classroom) as possible but with reduced FLA and					- belief in the authenticity of spoken		
	1	1	frequency)		potentially fewer disincentives to engage.			1	1	interaction in the virtual environment	1	
	1	1	1							was a key factor in the level of reduction		
	1		1	ļ	1				1	of foreign language anxiety		

ublication	- Review of relevant	- Purposive / expert	-Descriptive statistics	Chinese language
8	literature'	sampling	(measures of	educators: n = 15
	- Case study	- Voluntary	frequency)	Pre-workshop: 16
	- Online survey of	participation	- Qualtiative	Post- workshop: 15
	Chinese language		(content) analysis	Focus group -
	educators		,	students: 12
	- Pre & post			Focus group -
	workshop surveys			teachers: 6
	- Student &			
	instructor focus			
	groups			