# FACEBOOK ADOPTION AND IMPELMENTATION ACROSS SWISS TOURISM SECTORS

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- Theoretical frame
- Research purpose & hypothesis
- Methodology
- Results
- Conclusion & future research





In the Travel 2.0 era, firms have to build customer relations using social networking, co-learning, co-production and collaboration (Sigala, 2008, 2011).

Customers become more and more active stakeholders in the tourism supply chain.

On the one hand, customers become co-designers of the tourism product and on the other hand, they act as co-marketers and co-distributors (<u>Sigala, 2012</u>).







- User generated content (UGC) & Social Media (SM) are two related concepts.
- SM lacks of a formal definition (Xiang&Gretzel, 2010).

For the purpose of this paper, SM can be considered as a group of Internetbased applications having, as their main characteristic, the capacity to build on the ideological and technological foundation of Web 2.0 by allowing the creation, and exchange of UGC (cf. <u>Kaplan & Haenlein, 2010, p. 61</u>).

- Different taxonomies for SM based on:
  - 1. Kind of content :Generalists vs specialists (Lim & Yoo, 2009)
  - Type of interaction channels : Internal vs external (Shao, Dávila Rodriguez, & Gretzel, 2012)-> This is the classification adopted by this research

## Social Networks (SNs) are SMs' external channels





#### I frame (II): Facebool 'sers activities







VALAIS

- In Hong Kong hospitality industry (Leung, Lee, & Law, 2011, 2012).
  - Quick growth in penetration rate: 49% between Feb '10 and Aug '10.
  - 2. Significant differences in the diffusion pattern between independent and chain hotels
- In 2008, only 6/25 Top EU DMO's have direct connection to FB and 6/25 shared content with Youtube and Flickr. In 2010, all have FB or Twitter presence. (Shao, Dávila Rodriguez, & Gretzel, 2012).







- O'Connor, (2011a, 2011b) suggests a 4 stage process.
  - 1. *monitoring* the social space in order to track what customers are saying through which social channels.
  - 2. establishing a *presence* and activating a minimum account on those channels in order that customers can find the company.
  - 3. *interaction*; once the presence is established generate the activity communication that could be either reactive (answer in a systematic way to all the comments that customers post in order to show that the company is hearing them) or proactive (starting conversations to reach the company's community with information, comments and offers).
  - 4. engagement -> the brand meets its fans and the company has the knowledge of what kinds of posts are relevant for its audience.





- Mostly oriented in the short term and the main aim is to link the performance of the marketing efforts to increase in sales.
- Many managers consider SM as just another channel of traditional marketing ->SM environment is not marketer but customer controlled (<u>Hoffman & Fodor, 2010</u>).
- Managers seem mainly to be interested on the level of engagement given that it can be measured by the number of followers that the brand has in its FB page.





- The aim of this research is to measure the adoption of FB across tourism sectors by measuring the presence of any FB feature on their corporate website and the timing of adoption of its corporative FB's pages.
- The study does not investigate the stage of implementation of FB, but it is expected that the analysis of the kind of FB activities offered in the corporate websites ("Sharing, Friendling or both) and the measures of engagement such as the numbers of comments ("talking about") will provide insights on the kind of the FB's marketing approach that has been used across tourism sectors.





## Across tourism sectors:

Adoption

H1) There are significant differences in the level of penetration of FB.

H2) There are significant differences in the timing of adoption of FB pages

• Implementation

H3) There are significant differences in the kind of FB strategies (Sharing, Friending and both).

H4) There are significant differences in the level of FB on engagement measured by the number of "Talk about" and "Likes"





- A softbot (or web crawler) is a software application that runs automated tasks over the internet.
- A proprietary softbot (O'Rourke, Leclere, & Trabichet, 2012) processed all static and semi-dynamic HTML-pages, starting at the top URL and then following all links in that website, but ignoring links in graphics or behind dynamic scripting techniques.
- Then the softbot generated a report containing the counts for each criterion.





#### Data acquisition via softbot

🕌 HWebBot		
Mining Analyse X Configurations		
Liste des sites		Listes des technologies
www.acis.com	-	✓ AJAX
www.actours.co.uk		✓ XHTML
www.ae-tours.com	=	☑ DOM
www.agriturismo.it		∠ XHR
www.albatross-tours.com	-	Cascading Style Sheets (CSS)
www.allinonetours.co.uk		✓ RSS
www.alltours.de		✓ Atom
www.americanexpress.co.uk		✓ del.icio.us
www.anatours.co.uk		✓ folksonomy
www.backroads.com		🗹 wiki
www.baholidays.com		🖌 geo tagging / GeoTagging
www.bluebookonline.eu		✓ podcast
www.booking.com		✓ videoblog
www.casterbridgetours.com		✓ blog
www.centralholidays.com		✓ Valais
www.cha-tours.com		✓ Javascript
www.chinaholidays.com		✓ HTML
www.chrtravel.com		✓ Flash
www.citybreakexpo.com		🗹 hotel
www.clubeviajar.pt		
www.collettevacations.com	•	Tous les critères
Tous les sites		Analyser
		Quitter





Data acquisition via softbot

😹 HWebBot
Mining Analyse Configurations
Ajouter un site internet
URL du site internet
http://www.
Ajouter
Ajouter un critère
Nom du critère
Mots-clés (sans espace, séparés par ;)
Ajouter
Supprimer un site internet
http://www.acis.com
Supprimer
Supprimer un critère
AJAX 👻
Supprimer
Quitter







Acronym	Sector	Source	Website age /n (URL)
DMO CH	Swiss DMOs	myswitzerland.ch	132/132
DMO AU	Austrian DMOs	(Klimek, Scaglione, Schegg, & Matos, 2012)	89/96
DMO GER	German DMOs	(Klimek, et al., 2012)	178/204
Rest CH	Swiss restaurants	Swisscom Directories	1812/1812
Cable CH	Swiss cable car companies	Seilbahnen Schweiz (seilbahnen.org)	190/190
Hotel Chain	International hotel chains	hotelsmag.com (July 2006)	262/262
TO Europe	European tour operators	etoa.org, european-travel- market.com	108/108
Hotel CH	Swiss hotels	(Scaglione, Johnson, & Trabichet, 2011)	1780/1780
TA CH	Swiss travel agencies	Schweizerischer Reisebüro-verband (www.srv.ch)	238/238
Total unique URLs			4789/4822





### Adoption H1 penetration

Sector	n (URL)	FB adoption
Swiss DMOs	132	44/132 33%
Austrian DMOs	96	74/96 77%
German DMOs	204	33/204 16%
Swiss restaurants	1812	106/1780 9%
Swiss cable car companies	190	40/190 21%
International hotel chains	262	66/238 28%
European tour operators	108	29/108 27%
Swiss hotels	1780	186/1780 11%
Swiss travel agencies	238	31/238 13%
	4822	672/4822 13.90%

The level of penetration of FB in overall sectors is almost 14%.

This penetration included any presence through the three different strategies whether they had a page or not.

 $\chi$ (2) test yields a p-value <0.001 (df=8) which shows a significant link between adoption and the nine sectors.





#### Adoption H2

timing

Sector	FB page age in months		
	Ν	Mean	
cable CH	34	25	
DMO CH	43	25	
DMO AU	64	31	
DMO GE	30	28	
Hotel CH	166	22	
Hotel Chain	63	29	
Rest CH	136	21	
TA CH	27	21	
TO Europe	28	31	
TOTAL	591	24	
Df, anova statiscs.		(8, 585)	
p-value		<.0001	

The organizations launched their FB page as early as November 2007 and as late as July 2012.

There is enough evidence that supports the hypothesis of the difference in timing in FB's page adoption across sector.



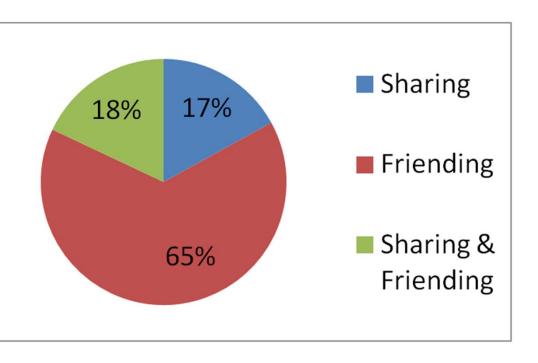


#### IMPLEMENTATION

H3 FB strategies

Sectors	Sharing	Friending	Sharing & Friending	Total
cable CH	8	19	12	39
DMO CH	6	22	14	42
DMO AU	17	43	14	74
DMO GE	4	22	6	32
Hotel CH	29	113	25	167
Hotel chain	8	50	6	64
Rest CH	27	97	23	147
TA CH	2	21	4	27
TO Europe	5	16	5	26
Total	106	403	109	618
%	17	65	18	100

The  $\chi(2)$  test yields a p-value =0.088 (df=16), suggesting a slight difference in which sectors adopt a particular FB strategy







#### IMPLEMENTATION

#### H4 FB audience

Sector	Ta	lk about	]	Likes
	Ν	Mean	Ν	Mean
cable CH	30	174	34	4'429
DMO CH	43	2'190	44	8'327
DMO AU	60	1'514	72	9'291
DMO GE	30	404	32	2'726
Hotel CH	159	160	178	3'733
Hotel Chain	65	978	67	32'053
Rest CH	114	64	148	1'232
TA CH	21	27	28	1'198
TO Europe	27	14'257	29	80'260
TOTAL	549	1246.1	632	10'488.3 4
Df, anova statiscs.		(8,540)		(8,623)
p-value		<.0001		<.0001
18				

Local sectors like Swiss Travel agencies, restaurants, hotels, and cable cars show significantly lower means than the whole sample for the "Talk about" measure.

For the "Likes", hotel chains are significantly higher than the mean sample whereas the opposite is the case for Swiss Travel agencies, Swiss restaurants, German DMOs and Swiss hotels.





## Adoption

H1) There are significant differences in the level of penetration of FB.

H2) There are significant differences in the timing of adoption of FB pages

Internalization or size may play a role in the adoption process, this is in line with the findings about the adoption of websites in previous research (<u>Scaglione, Ismail,</u> <u>Trabichet, & Murphy, 2010; Scaglione, et al.,</u> 2011; <u>Scaglione, Schegg, Steiner, & Murphy,</u> 2004)





## Implementation

H3) There are significant differences in the kind of FB strategies (Sharing, Friending and both).
1/6 companies preferred the offer in the website either only sharing or both (sharing and friending)

4/6 only preferred friending

Why? Probably, the number of followers/fans is a compressive measure for transmitting to stakeholders and upper managers.





- Implementation ('cont)
  - H4) There are significant differences in the level of FB on engagement measured by the number of "Talk about" and "Likes".
  - The average of **followers/fan** for hotels chains and European tour operators outperform other sectors
  - The number of "talk about"/comments is still higher for European Tour Operators followed by Swiss and Austrian DMOs and hotels chains follow them with an average level that is not significantly different from the overall sample.

This is in line with the findings by O'Connor (2011a), who claims that international hotel chains have a low level of engagement. This research shows that there are other sectors that are more successful at engaging with customers.





- The originality of this research is that, from an extended data base, the dimension of penetration and implementation of FB across different sectors in the industry are clearly shown.
- The main limitations of the research is the lack of analysis possible of the different steps in the SM implementation (as outlined by O'Connor (2011a, 2011b) along with the link between the different strategies (Sharing, Friending or both) and the engagement level.

These issues could provide the major focus for future research.







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# Thank you for your attention!!!





