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1 **Title:** Are Social Networking Sites information sources? : Informational purposes of
2 high-school students in using SNS

3

4 **Keywords:** Social media, Social networking sites, Information seeking, Teenagers,
5 Information literacy, Transliteracy; information grounds

6

7 **Abstract:** *Although social networking sites (SNSs), such as Facebook or Twitter, are*
8 *widely used by teenagers, to date, research has focused on the social uses of SNSs.*
9 *This research sought to investigate the ways in which high school students (15-19*
10 *years) use SNSs in order to find information. It highlights the importance of*
11 *considering how young people may use SNSs for everyday life information as well as*
12 *for academic and school oriented information. Findings from a web-based survey of*
13 *students from the UK, France, Thailand and Denmark show that SNSs are information*
14 *sources for most teenagers, especially for information related to social activities.*
15 *Although academic information seeking were not among the most common reasons*
16 *for using SNSs, the findings indicate that many students do use SNSs for such*
17 *purposes, as well as everyday life information seeking.*

18

19 **Introduction**

20 SNSs (social networking sites) are defined by boyd and Ellison (2007: ??) as “web-
21 based services that allow individuals to (1) construct a public or semi-public profile
22 within a bounded system, (2) articulate a list of other users with whom they share a
23 connection, and (3) view and traverse their list of connections and those made by
24 others within the system”. The expanding growth of SNSs has meant that they have
25 become a daily activity for millions of people and especially for teenagers (Hampton
26 et al 2011; CREDOC, 2014; EU kids online, 2014; Lenhart, 2015). While the term ‘social
27 media’ encompasses a wider range of services, such as blogs, collaborative projects
28 and collaborative social worlds (Kaplan and Haenlein, 2010), in everyday discussions
29 the two terms are often used interchangeably. Although Facebook is still the most
30 widely used SNS, teenagers now tend to embrace newer social networks such as
31 Instagram, WhatsApp or Snapchat (Duggan et al, 2015). Many studies describe these
32 teenagers’ uses of SNS, mainly from social sciences and psychology viewpoints. For
33 the most part, such studies focus on communication and social uses of SNS, aiming to
34 describe the nature and processes of a “digital sociability” (Cardon and Delaunay-
35 Teterel, 2006) and then to warn about the potential dangers and the necessity to
36 protect privacy and personal data (Livingstone 2008; Ito et al, 2010).

37 Apart from individuals, many brands, companies, organizations, public institutions
38 (local national as well as international level), and both traditional and citizen-based
39 media make use of SNSs, having a public Facebook page, a Twitter account, Youtube
40 channel among others. SNSs thereby provide a huge amount of information, as well as
41 different types of information compared to those available from many other sources,
42 and covering a wide range of topics. SNSs can, therefore, be considered as effective
43 hubs through which information flows, as is demonstrated in the recent agreement,
44 called « Instant Articles », between Facebook and nine press publishers to submit
45 articles directly to its members. As information providers, SNS have been shown to
46 play an important role in participation and political engagement. Recent history has
47 demonstrated that these communication platforms allow people to challenge the
48 establishment by publishing and sharing anti-establishment views or opposing
49 debates, and facilitate people gathering to demonstrate commitment, or even for
50 strikes or riots (Shirazi, 2013). Furthermore, recent works point out that SNSs could be
51 used as direct information sources explicitly by students (Kyung-Sun et al, 2011, 2014;
52 Brandtzæg and Heim 2009; Willemse et al 2014). This is not surprising given the
53 availability, and increasingly popularity, of user generated content. Moreover, many
54 young people, and most information searchers in general, rely on sources easily

55 accessible even though the trustworthiness of information is questionable (Flanagin
56 and Metzger, 2010; Biddix, 2011).

57 In this paper, we consider whether teenagers (15-19) use SNSs to access and/or seek
58 information. Then we investigate the possible SNS information practices of teenagers
59 and explore what kind of information they might look for on SNS. Information related
60 to everyday life as well as academic works or school life are considered.

61 These questions highlight important issues: in the first place, specific uses of the
62 Internet and Web 2.0 by teenagers questions the evolution of information practices of
63 future citizens. Furthermore, the capability to search, evaluate and share information
64 in a collaborative setting, is presented as a crucial skill domain in many Information
65 Literacy (IL) curricula (e.g. Advisory Committee on Information Literacy, 2011; ACRL,
66 2015) and, chiefly, in renewed paradigms and frameworks such as Transliteracy
67 (Thomas et al, 2007) or Metaliteracy (Mackey and Jacobson, 2014). Indeed, while IL
68 guidelines are usually focused on individual skills and individual assessment, the key
69 competencies have an increasingly collective dimension: sharing information with
70 friends and with a large and unknown audience and evaluating information created by
71 multiple participants for example. As Mackey and Jacobson (2014: ??), authors of the
72 Metaliteracy framework, point out, the challenge for teachers and trainers is to define
73 specific competencies for print-based information as well as decentered networks: "*In*
74 *many ways social media is ideally suited for research if we recognize these*
75 *collaborative spaces as a means for effectively creating and sharing knowledge in*
76 *diverse modes, and not just informal social interactions*". However the situation at
77 school is that, broadly speaking, media, and especially web-based media and social
78 networks, are perceived as threats for children and teenagers rather than as resources
79 to support teaching or learning. In an approach that is arguably inconsistent with the
80 reality of teenagers' digital habits, SNSs are often prohibited by school policies and
81 dismissed as games or 'kids' stuff' at best, clearly differentiated from serious work
82 that is done at school. This can contribute to the "participation gap" mentioned by
83 Jenkins and colleagues (2009). And, if SNS may be meaningful information sources for
84 young people, researchers and educators need to better understand these SNS-based
85 information processes in order to design appropriate evaluation guidelines. This
86 research is intended as a first, explorative step that should be extended in order to
87 continue to test and specify the ideas and findings presented here.

88

89 **SNSs and information seeking**

90 As indicated in introduction, general research about teenagers' information practices
91 seldom includes SNSs as information sources. However, research about the needs that
92 SNSs satisfy for people does include information seeking (Whiting and Williams 2013).
93 Indeed, from a research point of view the different reasons to refer to a SNS need to
94 be better understood because, to date, the social motivations have chiefly been
95 emphasized. Some researchers have investigated SNSs specifically as information
96 sources. In Norway, Petter Bae Brandtzæg and Jan Heim (2009) carried a qualitative
97 survey (1200 responses) in 2007 on social networking site users (aged from 16 to 29).
98 The authors demonstrated that information needs were listed by participants (10%,
99 n=220): « *Users reporting access to information, including about fashion, music,
100 literature, cultural events, current happenings in their neighborhood and access to
101 new and shared knowledge regarding people's opinions related to everything from
102 politics and to more tedious matters. Information updates are related to: a) Friends;
103 b)Neighborhood; c) City events; d) Fashion; e) Music; f) Happenings; g) Help with
104 homework at school f) interests/hobbies; g) other and more customized forms of
105 information than on TV and radio*” (Brandtzæg and Heim, 2009:148). They suggested
106 that the category named “debating” (6.5%, n=143) can be integrate the information
107 category, “*because debating often takes place in order to gain access to new
108 information through a collaborative discussion process*” (Brandtzæg and Heim 2009,
109 p.148). Although this survey did not focus especially on teenagers, participants cited
110 academic homework as a motivation to seek information on SNSs.

111 Other researchers who are also primarily concerned with identifying the main
112 motivations that lead people to use SNSs include Grant (2005) who isolated key
113 motivations that lead teenagers (13-17) in particular to use SNS including information
114 seeking “*(...) to enhance their mood, learn by experience, as a form of passive
115 escapism, as social interaction, and to find or give information and advice*” (cited by
116 Jansen et al, 2011:??).

117

118 Some of the most significant studies that demonstrate the use of SNS as direct
119 information source concern undergraduate students such as the several studies
120 conducted by research team led by Kyung-Sun Kim. Kim and colleagues (2011) carried
121 out a first online questionnaire that aimed to investigate what kinds of SNSs are used
122 as information sources and why they are used by undergraduate students from a
123 public university (446 participants). This study also examined what kinds of actions
124 users take in order to evaluate the trustworthiness of information provided by social
125 sources. The study found that Wikipedia was the most widely used source (98%) while

126 SNSs such as Facebook, MySpace and LinkedIn were also used as information sources
127 (97%), followed by online user reviews (72%), YouTube (53%) and Q&A sites (e.g.
128 Yahoo! Answers) (53%), blogs (32%) and microblogs such as Twitter (24%). The
129 authors concluded that a range of SNSs and social media are used for everyday life
130 information seeking while some are used for both everyday life information and
131 academic purposes (Wikipedia, YouTube, Q&A sites). Furthermore, this study shows
132 that different sites are used for different purposes: Wikipedia was used mainly for
133 getting background/introductory information and a quick overview, while sites like
134 Facebook were used mainly for keeping in touch with others, getting updates/news
135 and for getting others' opinions. User review sites were used for getting others'
136 opinions/comments on products and help with purchase decisions. YouTube was used
137 for recreational information and for finding solutions to a problem or how-to
138 instructions, while for problem-solving, QandA sites were also used often (Kim et al,
139 2011:.2).

140 Kyung-Sun Kim and other colleagues conducted additional studies (Kim et al, 2013; Kim et al, 2014; Kim
141 and Sin, 2014). The 2013 study involved 1286 students from a public university filling out a web based
142 survey. Findings showed that sources used by students for information seeking related to
143 academic purposes were, firstly, wikis, followed by blogs, social Q&A, media-sharing
144 sites, and forums. In 2014, two further surveys were launched to collect data *via* a web-
145 based survey with 809 undergraduate students (Kim et al, 2014) and web-based survey plus focus groups
146 from 1355 students in US and 194 in Singapore (Kim and Sin, 2014). Findings of the first study showed
147 that most of the SNSs and social media platforms are used as information sources, and
148 wikis, user reviews, and media-sharing sites emerged as the top platforms. Results
149 also revealed differences in the frequency of information seeking and in the purpose
150 of use depending on gender, class level, academic discipline and Big Five personality
151 traits (McCrae and Costa, 1987). In the second study, little difference was found
152 between the two countries, while different platforms seemed to be used depending on
153 different contexts. Q&A sites and forums tended to be used in the academic context.
154 SNSs, user reviews, and microblogs were used in the everyday life situations, while
155 wikis and media-sharing services were most often used in both contexts. Recently, the
156 JAMES (Jeunes Activités Médias) study shed light on teenagers' information seeking on SNSs (Willemse et
157 al, 2014). Since 2010, this representative study has examined the use of media by young people in
158 Switzerland every two years. In 2014, 1086 young people (age from 12 to 19) were interviewed. This study
159 showed that SNS are an important information channel for them: SNSs were in third position, after videos
160 sharing websites and search engines, with 78% (n = 854) consulting them every day or several times a week.
161 Indeed, for the 2014 session, video sharing websites such as Youtube have been included in the survey as an

162 information channel. The participants declared that this kind of sites is not useful for leisure exclusively but
163 for information seeking as well. This study also demonstrated a greater tendency for girls to seek
164 information through SNSs.

165

166 These findings are disputed slightly by other results however. For instance, Williamson
167 and colleagues (2012) interviewed 34 Australian students (age 18 to 25) about their
168 topics and sources when seeking information in everyday life information seeking
169 situations. This study did not focus especially on SNSs. These results suggest that
170 print media such as books and newspapers still played an important role for young
171 people while SNSs were perceived as important for interaction with friends rather than
172 for news gathering. Although Facebook, could be used to get some types of news e.g.
173 about friends or sport, it was still mostly used for communication. To explain this
174 reluctance to use SNS as an information source, participants described their skeptical
175 feelings about privacy issues and quality of information provided on line and
176 especially *via* SNSs. Nevertheless, this study emphasized the wide range of media
177 that young people use to meet their information needs.

178 and

179 **Research questions**

180 As this literature review demonstrates, relatively few studies exist on our topic:
181 teenagers' information seeking on SNS. Furthermore, all the cited studies point to a
182 lack of research on this theme and at the same time emphasize the issues that this
183 raises. a. As Kim and Sin (2014: ??) argue: "*An empirical study is urgently needed to
184 better understand how users evaluate and use the information from these social
185 media, and to provide help for the effective use of such sources*". Based on the
186 insights gained from the above discussion of the literature, the following research
187 questions will be investigated in this paper:

188 In the context of "Web 2.0", what does the information landscape of teenagers now look like? More
189 specifically, do they use SNSs as information sources? What are their motivations for using SNSs
190 specifically as information sources? Do they use SNSs as information sources for everyday life topics alone,
191 or do they use SNSs as information sources for academic purposes as well?

192

193 **Theoretical background**

194 • **Everyday life information seeking**

195 The uses of SNSs by teenagers are directly concerned with the sphere of everyday life. As we have
196 emphasized in the introduction, these uses are little studied by the research into formal settings such as the

197 school and workplace, but as incursions, disturbances, untimely emergence of intimacy. This subdivision
198 between “formal” settings of information seeking (work and school) and “informal” settings of information
199 seeking (everyday life and leisure) reinforces the traditional partition of the information seeking research
200 into two spheres of life experience: work or job (or study) related on one hand; non-work or everyday life on
201 the other. This distinction was evident in both theoretical and methodological claims against the lack of
202 scientific studies about everyday life information seeking compared to studies about information seeking for
203 work purposes in the 1980s. This led several authors to propose models of ELIS (everyday life information
204 seeking). The model proposed by Reijo Savolainen (1995) from the Finnish university of Tampere is perhaps
205 the best known. This founding publication revealed the place of information in daily life and the diversity of
206 relations people have with the media, which is an appropriate basis for a study focused on SNSs.

207 Savolainen (1995: 266) stressed that the concept of ELIS is "*residual by nature*", meaning that it is difficult
208 to separate completely the two contexts (professional on one side, and daily life on the other), and that the
209 different contexts in which an individual life takes place are not fully separated from the individual's point
210 of view. Moreover, in the 20 years since its publication, features enabled by connected devices, such as
211 mobile phones, have substantially evolved. It could therefore seem useful to reread the concept of ELIS in
212 light of recent research, on mobility. Indeed, Stefana Broadbent (2015) showed how much information and
213 communication technology transforms public and institutional spaces as a consequence of the extension of
214 the personal and intimate sphere outside of private spaces. What were clearly distinct contexts at earlier
215 points in history are today geographically and temporally mixed.

216 Savolainen (1995) highlights the potential passive nature of the informational practice. This finding echoes
217 the practice of social networks based on a connection and constant attention to the notification system and
218 continuous scrolling of updates. Moreover, Savoilanen's model, as well as the other ELIS models, identify
219 people (personal networks, family and friends) as the most easily accessible sources of information, even for
220 information acquired by chance (Williamson, 1998; McKenzie, 2003), and mass media and institutional
221 sources as less accessible sources of information. In line with the ELIS perspective, Agosto and Hughes-
222 Hassell (2006) carried out a qualitative survey in order to determine the sources or channels US urban
223 teenagers consult when engaging in everyday life information seeking and their most frequent everyday life
224 information needs. As a result of this survey, authors found that the participants indicated a preference for
225 friends and family as information sources for their everyday life information seeking^{and}). This is an
226 appropriate basis for research on SNSs as information sources for teenagers because SNSs are typically
227 human sources as they are maintained by individuals.

228

- 229 • **Information grounds**

230 The concept of « information grounds » developed by Karen Fisher (formerly Pettigrew) is relevant to
231 understand the information environment of people. She conceived the notion as “an environment
232 temporarily created by the behavior of people who have come together to perform a given task, but from

233 which emerges a social atmosphere that fosters the spontaneous and serendipitous sharing of information”
234 (Pettigrew: 1999: 801). We choose to refer to this concept as it highlights the crucial role of human
235 relationship and social interactions in the informational process (Fisher, Durrance and Hinton, 2004).
236 Information grounds theory focuses on informal social settings “*ranging from book clubs, gyms, folk*
237 *festivals and bus stops to hair salons and supermarket queues*” (Counts and Fisher, 2010: ??). But
238 information grounds research points out that the main information grounds that people have are the
239 workplace, the activity groups (linked to leisure or sport, playgrounds, clubs etc.) and places of worship. It is
240 noteworthy that for these authors, the information needs are determined by tasks directly deducted from the
241 professional roles. This raises questions about the role of academic setting and associated tasks in the
242 information processes of teenagers. While the concept of information grounds does not initially include the
243 formal context of school, it seems relevant to think that this context plays a significant role in the
244 information sharing processes.

245

246 • **Transliteracy**

247 Nowadays people have to deal with a wide range of existing information sources (websites, blogs, human
248 sources, books and magazines, booklets, media, TV, radio etc.). The concept of information literacy itself is
249 being redefined in the light of the developing “mediascape” (Appadurai 1990) as well as its uses. A strong
250 theoretical and methodological paradigm is hence emerging that features a “meta skill” relevant to the
251 presented study: “Transliteracy”. A definition of this concept is given by Sue Thomas and colleagues
252 (2007:??): “*Transliteracy is the ability to read, write and interact across a range of platforms, tools and*
253 *media from signing and orality through handwriting, print, TV, radio and film, to digital social networks*”.
254 Transliteracy emphasizes the need to work at a global level of expertise that takes into account the various
255 media and all kind of literacies (Ipri 2010) rather than limiting activities to specific literacies, especially
256 digital ones. In addition, the concept and research programme of Transliteracy oblige us to encompass
257 multiple kind of motivations to use SNSs rather than the only one: the socialization aspect. As a part of the
258 current information landscape, SNSs should be taken into account when information culture is being defined.
259 Furthermore, as is the case with SNSs, the concept of Transliteracy attaches great importance to the human
260 interaction within information seeking and sharing processes.

261

262 **Methodology**

263 In order to collect data on users’ characteristics and their possible use of SNS as
264 information sources, a study was conducted using a short online questionnaire (10
265 questions) developed using Google Forms. This was developed in French and
266 translated into English and Danish. The initial questions aimed to gather basic
267 demographic information (age, gender, course studied). Participants were then asked
268 about their general use of SNS (number of accounts, type of SNS) and their information

269 uses of SNS (type of SNS used to seek information, frequency, topics sought, content
270 shared or published on SNS). Regarding the topics sought, we predefined 13
271 categories from the literature review and from two pretest interviews of the
272 questionnaire.

273 Data were collected between December 2014 and April 2015. A link to the survey was
274 sent to librarians and teachers via email lists (e.g. CDI-DOC mailing list, School-
275 Library-Research and LIS-Info-Skills JISCMail lists); professional associations (e.g. the
276 UK School Library Association (SLA)); and personal contacts of the authors). Those
277 interested in participating were asked to send the survey link to any students they
278 taught aged between 15 and 19. The data were downloaded from Google Forms as an
279 Excel spreadsheet, and then imported into SPSS where the responses were analyzed.
280 Descriptive statistics were generated for all the questions and chi-squared analysis
281 conducted for investigated differences between gender categories of respondents.

282 In total, 473 responses were received: 64.5% were from female students and 35.5%
283 from male students. The majority of students (94.3%) were aged between 15 and 18.
284 65.8% of responses were from students in the UK, 22.0% from France; 5.7% from
285 Thailand; and 5.1% from Denmark. There were also a non-significant number of
286 responses from students in other non-European countries (Namibia, Netherlands,
287 Philippines, Qatar, Singapore and Russia).

288 A companion survey was also conducted in Chile for which results will be published
289 separately (forthcoming).

290

291 **Findings**

292 **Setting the scene: respondents' general uses of SNSs**

293 *Social networks high-school students have accounts for*

294 As Table 1 shows, the most common SNSs students had accounts for were Facebook (92.9% had an
295 account), YouTube (76.0%) and Snapchat (75.1%). Students were least likely to have accounts for Flickr
296 (2.3%), Ask.fm (15.4%) and Vine (17.7%).

297

SNS	Number	%
Facebook	441	93.2
YouTube	358	75.7
Snapchat	351	74.2
Instagram	255	53.9
Twitter	249	52.6
Google+	250	52.9
WhatsApp	164	34.7
Tumblr	149	31.5
Vine	85	18.0
Ask.fm	71	15.0
Flickr	12	2.5

Table 1: Which SNSs do you have an account for? (n=473)

Other sites mentioned by small numbers of students include Pinterest, WeChat, DeviantArt, BuzzFeed, Reddit, StumbleUpon, Instapray, Meow Chat, Viber, Twitch, 9GAG and Skype.

There were some differences between SNSs male and female students had accounts for. There was strong evidence that female students surveyed were more likely to have an account for Instagram (F=63.3%; M=36.9%; $p<0.01$), WhatsApp (F=39.7%; M=25.6%; $p<0.05$) and Tumblr (F=38.7%; M=18.5%; $p<0.01$) and there was also some evidence that they were more likely to have an account for Snapchat (F=78.0%; M=67.3%; $p<0.05$). However, there was greater use of Google+ (F=47.2%; M=63.1%; $p<0.01$) and YouTube (F=71.5%; M=83.3%; $p<0.01$) amongst male students.

Social networking sites students use most regularly in general

Facebook was, overwhelmingly, the most commonly used SNS (77.4% said they used it regularly), as shown in Table 2. Snapchat (33.2%) and Instagram (29.2%) were next, followed by YouTube (27.3%) and Twitter (22.6%). The proportion of account holders who considered themselves regular users ranged between 83.0% for Facebook to 2.4% for Google+. However, only 1.9% of students surveyed did not use any SNSs regularly.

SNS	Number	%
Facebook	366	77.4%
Snapchat	157	33.2%
Instagram	138	29.2%
YouTube	129	27.3%
Twitter	107	22.6%
Tumblr	71	15.0%
What's App	36	7.6%
Google+	6	1.3%
None	9	1.9%

317

318

Table 2: What social networking sites do you use most regularly in general? (n=473)

319

320

Other SNSs mentioned by less than five students included Skype, Reddit, Pinterest, Vine and Soundcloud.

321

322

Do the participants use SNSs as information sources?

323

How often students use social networking sites are used to seek information

324

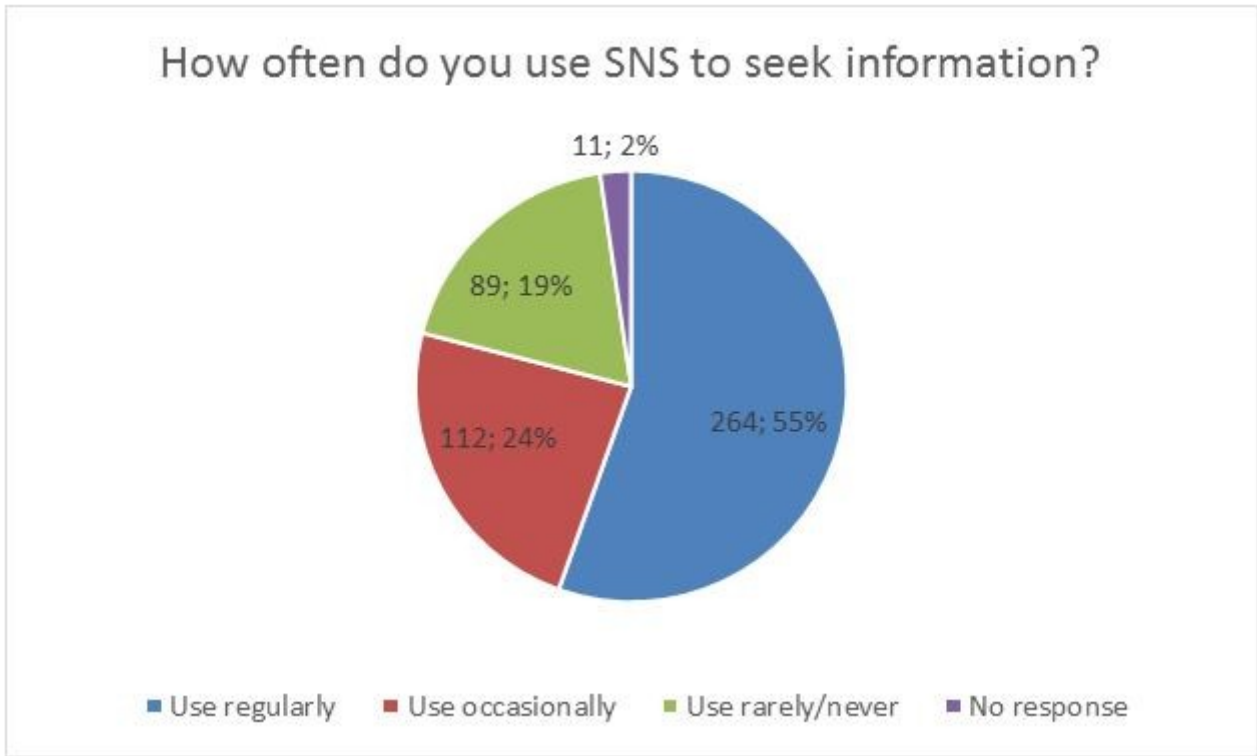


Figure 1: How often do you use these social networking sites to seek information? (n=473)

More than half the students (55.8%) used SNS to seek information regularly and almost a further quarter (23.7%) did so occasionally. Just less than a fifth (18.8 %) rarely or never used SNS to seek information (see Figure 1). A few indicated in their responses that they felt the idea of doing so was ridiculous.

Social networking sites students use most regularly to search for information

When students were asked about SNSs used to search for information, again, Facebook was the site used most regularly (39.1%), as shown in Table 3. YouTube was used regularly to search for information by 30.2% of students and Twitter by 20.0%. All other SNSs were used regularly to search for information by less than 10% of students. The popular general sites, Instagram and Snapchat were used by just 3.8% and 0.8% respectively for information purposes.

SNS	Number	%
Facebook	185	39.1%
YouTube	143	30.2%
Twitter	95	20.0%
Google+	44	9.3%
Tumblr	31	6.6%
Instagram	18	3.8%
WhatsApp	7	1.5%
Reddit	7	1.5%
Pinterest	5	1.1%
Snapchat	4	0.8%
None	103	21.8%

339

340 **Table 3: What social networking sites do you use most regularly to search for information? (n=473)**

341

342 The number of students regularly using specific SNSs to search for information was less than the number
343 using the same SNSs for general purposes, with the exception of Google+, Reddit and Pinterest which were
344 mentioned more frequently as sites used regularly for information purposes. A little over half the number of
345 students who used Facebook regularly in general used it regularly specifically to search for information, but
346 more than four-fifths of the number using Twitter and YouTube in general used them specifically to search
347 for information.

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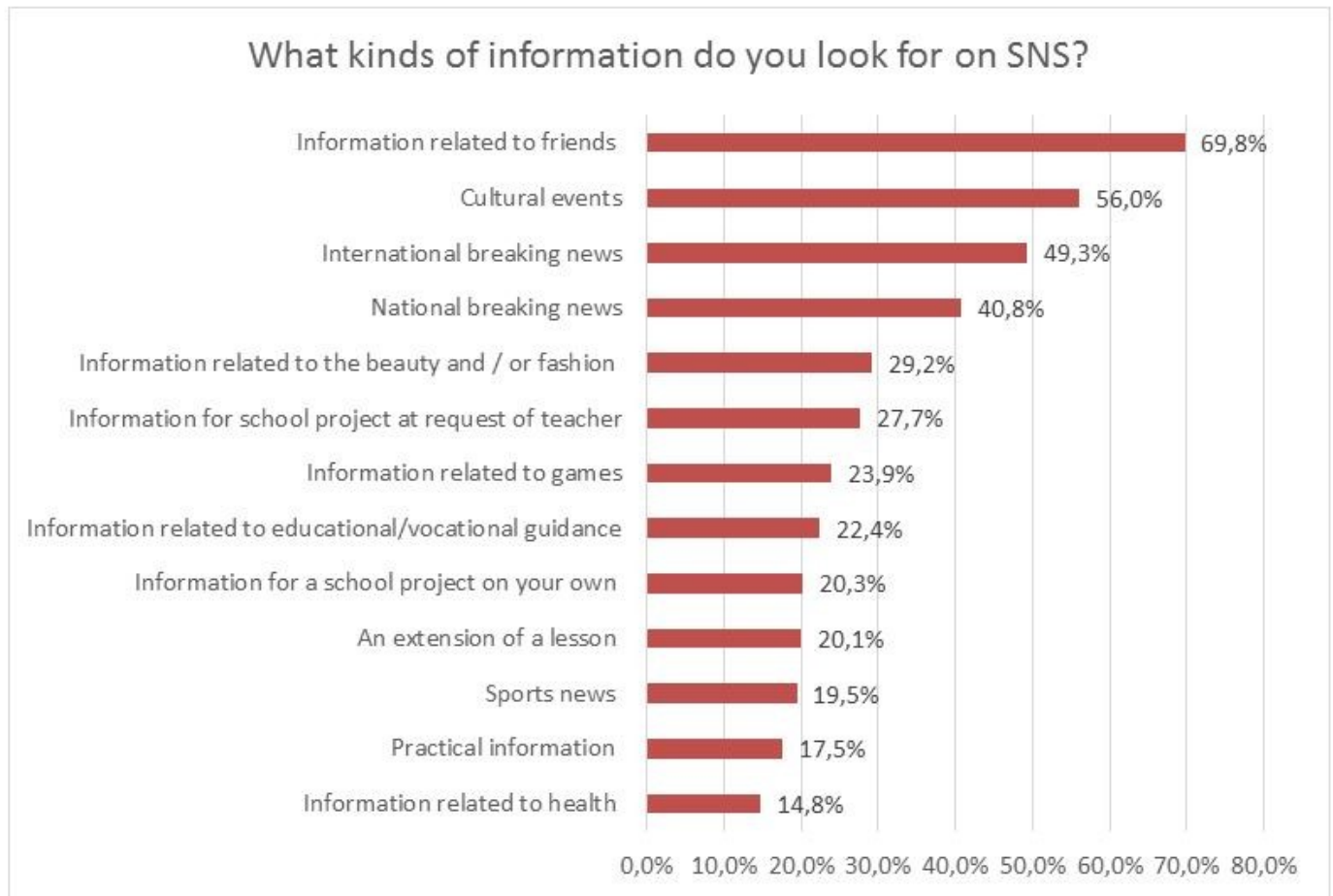
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What are participants' motivations for using SNSs specifically as information sources?to
Kinds of information students sought on social networking sites



364
365

Figure 2: What kinds of information do you look for on these SNSs? (n=473)

366

367 Information related to friends was the most common type of information students looked for on SNSs
368 (69.8%). This was followed by information about cultural events (56.0%) and international news (49.3%)¹.
369 Information related to health (14.8%) and practical information (17.5%) were the least commonly sought
370 types of information (see Figure 2). There were some, mostly not unexpected, gender differences in the
371 types of information sought via SNSs. Male students were more likely to look for sports news (F=11.8%;
372 M=33.3%; p<0.01) and games-related information (F=10.8%; M=47.6%; p<0.01), while female students
373 were more likely to use SNSs for information about fashion and beauty (F=42.3%; M=5.4%; p<0.01).

1 The percentage searching for national news may be slightly lower than expected as
2 international responses to the English version were not anticipated at the survey
3 launch, so mention of the UK in the description of this item may have been misleading
4 for overseas students.

374 Female students were also most likely to use SNSs to find information about friends (F=77.4%; M=56.0%;
375 $p<0.01$) and cultural events (F=60.0%; M=48.8%; $p<0.05$).

376 While tasks directly related to education and school were not amongst the most common reasons for using
377 SNSs for information purposes, neither were they at the bottom of the list. More than one-quarter of students
378 (27.7%) said they used SNSs to find information for a task at the direction of a teacher and one-fifth (20.3%)
379 used SNSs to find information for a school project independently (i.e. not explicitly directed teacher).
380 Around the same percentage (20.1%) said they had used SNSs to find additional information about topics
381 taught in class. In addition, just over one-fifth (22.4%) used SNSs to search for information related to
382 educational and vocational guidance. There were no significant gender differences in the use of SNSs for
383 obviously school-related tasks.

384
385 Other types of information mentioned by small numbers of students included travel and geography; cookery;
386 'how to' videos; information about music and films; political and activist information; and information about
387 hobbies.

388 389 ***Satisfaction with the quality and reliability of information found on SNSs***

390 When asked how often they were satisfied with the quality and reliability of information they found on
391 SNSs, students' responses were skewed towards the positive end of the scale, although just 5.1% said they
392 were always satisfied (Figure 3). The information on SNS clearly has some value for most students,
393 although they are conscious it needs to be treated with caution. There was a gender difference between the
394 levels of satisfaction expressed by male and female students ($p<0.01$), with boys more likely to express more
395 extreme opinions while girls were more moderate and more likely to select the middle option.

396

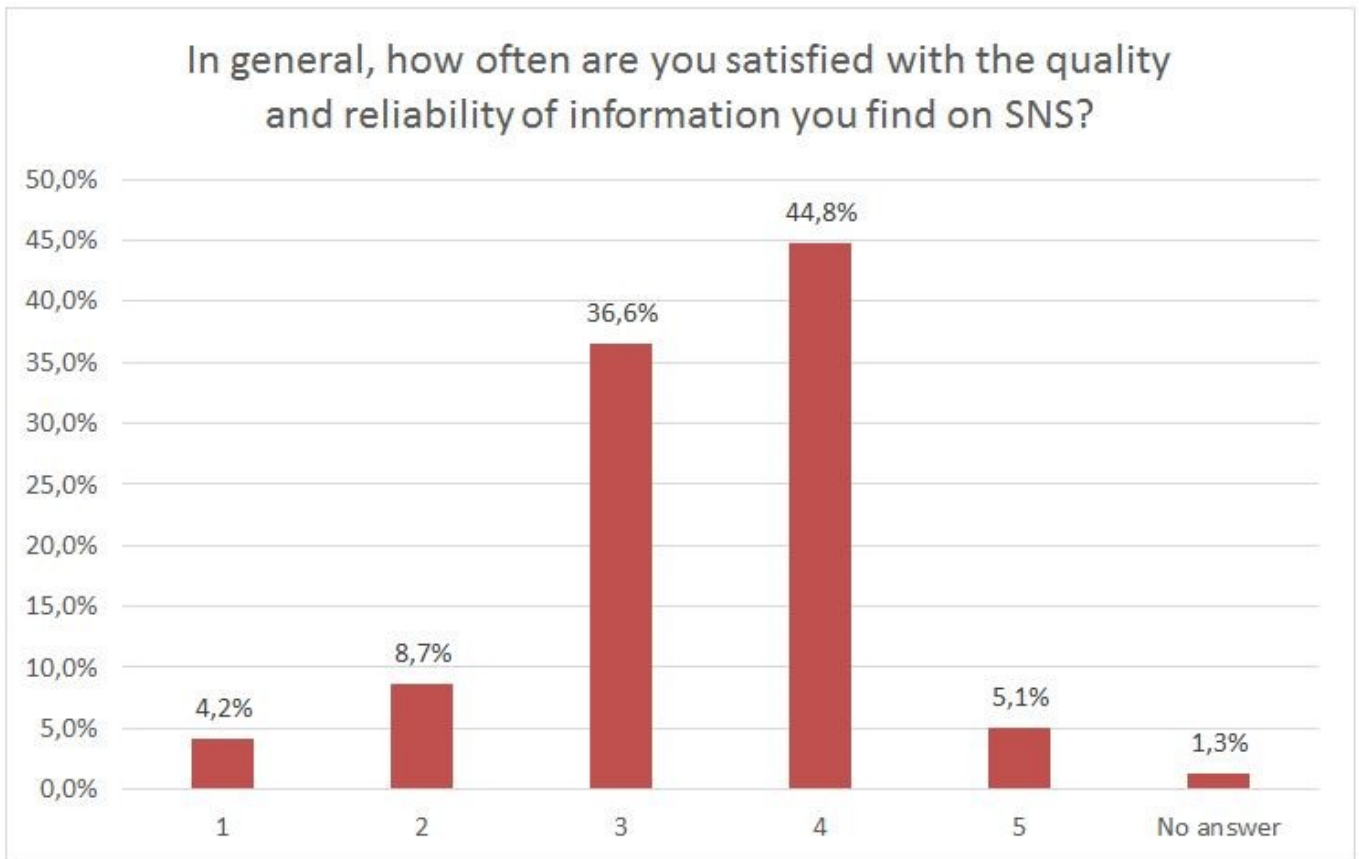
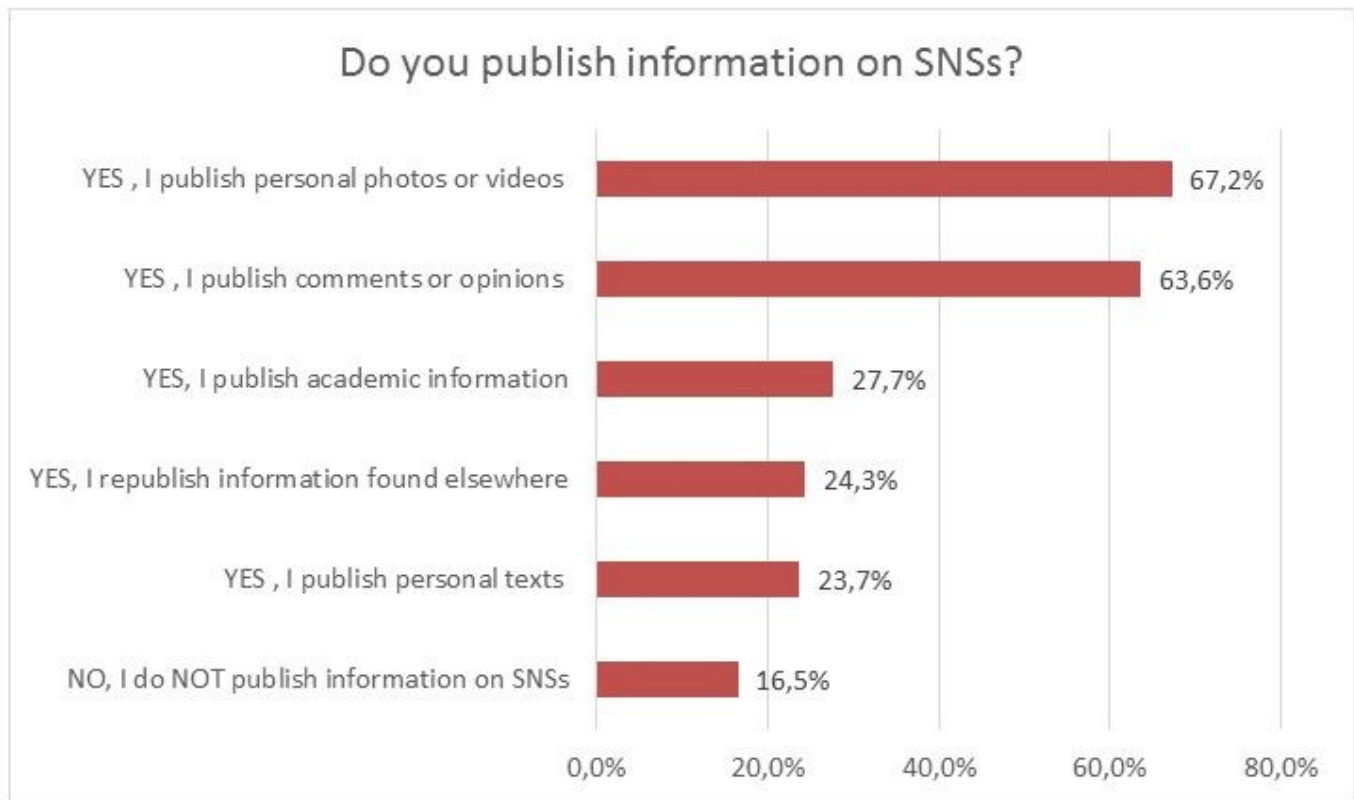


Figure 3: In general, how often are you satisfied with the quality and reliability of information you find on these SNSs? (n=473)

Do you publish information on SNSs?

Only 16.5% of students said they did not publish any information on SNSs. There was a statistically significant difference between boys and girls in response to this question with boys being less likely to publish information on SNSs ($F=11.1\%$; $M=26.2\%$; $p<0.01$). Personal photos or videos were the most common form of publishing information on SNS (67.2%), especially amongst female students ($F=75.7\%$; $M=51.8\%$; $p<0.01$). This was followed by publishing comments and opinions (63.6%). Around one-quarter of students said they published academic information such as class Facebook groups (27.7%) and similar proportions republished information found elsewhere (24.3%) and personal texts (23.7%) (see Figure 4).



410
411 **Figure 4: Do you publish information on SNSs? (n=473)**

412
413 **Discussion**

414 We will not dwell on the results of our survey concerning general SNSs use because our results are in line
415 with other quantitative data and show that teenagers are great users of SNSs. The questions regarding the
416 respondents' general uses of SNS (e.g. « What social networks do you have an account for? », « What social
417 networking sites do you use most regularly IN GENERAL? »), were there, primarily, in order to define as
418 clearly as possible the subject of the survey to the respondents, that is specifically social networking sites (as
419 listed in our survey) and not some other web based tools such as search engines. Some responses to the later
420 open questions show indeed that the label "Social Networking Sites" is not particularly clear for some
421 participants. For instance, some answered Google, Yahoo, Bing, Gmail, Mozilla or Hotmail. It is a limitation
422 of the web-based questionnaire methodology that some respondents could misunderstand the exact subject
423 of the survey, even though a short and as clearer as possible definition was provided. With hindsight, this is
424 unsurprisingly: as mentioned in the introduction, SNSs is a term that is often used imprecisely in everyday
425 situations and teenagers are likely to have approached the survey with their own pre-formed understandings
426 of the term. A better knowledge of teenagers' understanding of SNSs is necessary and could be achieved
427 through face-to-face interviews. Furthermore, this would allow teenagers' understanding of the concept of
428 information itself and information seeking to be addressed. This is thus why we have considered our study to
429 be explorative. That being said, we want to focus here explicitly on information practices with SNSs.

430 Around 20% of young people said they never used SNSs for information seeking and a number indicated
431 that they felt that to do so would not be appropriate: "I don't search for information on social networking

432 sites”, “I don’t use these sites to find out information, I use the BBC news app for news and google for other
433 purposes”, “None, why would I, stupid question”. Here again, it’s quite impossible to say whether the
434 respondent never uses SNSs to seek information or if he or she thinks what they search for on SNSs is not
435 really “information”. However our results demonstrate that, as stated by our first research question, SNSs
436 are, indeed, information sources for most of these teenagers. Approximately four-fifths of the respondents
437 said they use SNSs to seek information occasionally or regularly. Although some SNSs were primarily used
438 for general purposes, others such as Google+ were more likely to be used for information seeking.
439 Even SNSs with a strong social element such as Facebook were regarded as information sources by large
440 proportions of those surveyed. These results suggest it is important to look deeper into the question of the
441 multiple motivations for using SNSs. They demonstrate that social motivations, such as maintaining the
442 links with friends and following conversations, are definitely not the only motivation for teenagers to make
443 use of social networking sites. These results thus confirm the data presented into the literature review as to
444 the informational motivation to make use of SNSs, especially among teenagers. Moreover, this research has
445 provided specific data regarding teenagers at high school level, in contrast to older university students on
446 whom the majority of research to date has been focused. Our findings suggest that, like their older peers, 15-
447 19 year olds make use of a wide range of possible information sources, including those sources where social
448 interaction plays a decisive role

449
450 With regard to the second research question, our research found that the kinds of information teenagers most
451 commonly looked for on SNS were related to social activities: information about friends and social events.
452 This in itself is a quite predictable result. But we also found that information about wider issues was
453 important too as SNSs were commonly used to find out about national or international news. Our results
454 here complement those from the JAMES study (Willemse et al, 2014) about the information topics sought
455 by the teenagers via SNSs. Indeed, as mentioned in our literature review, the JAMES study reports the key
456 rank occupied by SNSs within digital information practices of young people, but JAMES gives no indication
457 about the specific areas of life or themes covered by these information seeking uses. Our study and the
458 categories we have identified bring to light the variety of areas covered by these informational uses of SNS,
459 from cultural events to health. Here again face-to-face interviews might be helpful to find out more
460 categories or also to refine those we suggested.

461
462 At this stage, one of the most interesting results is that although academic purposes
463 for information seeking were not among the most common reasons for using SNSs for
464 information purposes, the study indicates that many students do use SNSs for
465 academic purposes as well as for everyday life information seeking. So, while
466 respondents say they use SNS in order to find information related to the national and
467 international news, culture, beauty or fashion, they also report using SNSs to find

468 information linked to the school setting and academic tasks. Searching for information
469 on SNS following the request of a teacher comes in sixth place (27.7%) of the 13
470 predefined categories in our questionnaire. It is also worth noting that, unlike
471 information seeking for some everyday purposes, there were no significant differences
472 between male and female students in their use of SNS for academic-related
473 information seeking. Within our questionnaire, two other categories are related to
474 information seeking based on academic tasks: “information for a school project on
475 your own” (20.3%), “an extension of a lesson” (20.1%). Another category is closely
476 linked to academic concerns: “information related to educational/vocational guidance”
477 (22.4%). The information use of SNS for academic purposes among high school
478 students is therefore far from insignificant despite the dismissive attitudes often in
479 evidence, as mentioned in the introduction. In follow up interviews it would be
480 interesting to explore whether independent use of SNSs for academic tasks is
481 encouraged (or accepted) only by certain teachers or in particular subjects, or
482 whether it is something that students engage in across the curriculum. It would also
483 be valuable to consider exactly how teenagers make use of such resources for
484 academic purposes, and whether they receive any guidance or training from teachers
485 or librarians in doing so.

486

487 **Implications for theory building**

488 From the perspective of the « information grounds » theory, the results presented
489 here suggest that SNSs could be considered as online “information grounds”. Based
490 on the seven propositions that define “information grounds”, Scott Counts and Karen
491 Fisher already showed in their study of SLAM, a mobile messaging device, that an
492 online platform can be thought as an information ground (Counts and Fisher 2010).
493 With SNSs, formal and informal social interaction is usually a primary purpose but
494 information sharing can also occur. As our respondents were teenagers, the significant
495 role of academic tasks in these processes should be noted and may be compared with
496 the role of professional tasks for adult groups. The surveyed teenagers reported that
497 they use SNSs to satisfy information needs. From the perspective of the ELIS model,
498 informational uses of SNSs here are clearly associated with everyday life and ordinary
499 socialization, but they are also related to school tasks including those which are
500 prescribed or compulsory. These results also let us see different uses of SNSs uses
501 that may even appear to be seemingly contradictory (friends and socialization on one
502 hand, educational tasks on the other hand) but which are mixed in the reality of these
503 teenagers’ practices. This is a specific illustration of the porosity of contexts which the

504 works of Stefana Broadbent (2015) highlighted. These results underpinned the
505 necessity for the researchers to take into account the reality of everyday life, ordinary
506 and tiny, information uses but also the theoretical need to re think ELIS models in the
507 light of this interlacing of contexts.

508

509 Daily information practices are crucial and particularly for young people's personal
510 development, for example, regarding personality, citizenship and the lifelong learning
511 skills, and these have been shown to be more heterogeneous than different
512 (Livingstone and Helsper, 2007; Hargittai and Hinnant, 2008; Mercklé and Octobre,
513 2012; Hatlevik and Christophersen, 2013; boyd 2014). Indeed provision or access are
514 not sufficient on their own to create use, and practices can be very different, even
515 discriminating, from an individual to another. As Gil de Zuniga (2009: ??) mentioned
516 regarding information motivations and political participation: "(...) it is not the media
517 per se that can affect individuals' social capital and engagement, but the specific
518 ways individuals use media". Despite many critiques of the concept, the "digital
519 natives" representation is still often used to describe the digital practices of teenagers
520 in a global way and on a generational divide basis. But it seems essential to better
521 understand these practices at a personal level, their evolution through the interaction
522 with others, the multiplicity of information sources and the relations between different
523 settings (Octobre, 2008; Zaffran and Pouchadon, 2010). In the same way, this
524 research could highlight the heterogeneity of young people's uses of SNSs for
525 information purposes. There is clearly not a single model 'digital native'; teenagers
526 differ in their attitudes towards SNSs as information sources; the specific SNSs used;
527 the information purposes for which they used SNSs; and their publishing habits. While
528 some teenagers make use of a wide range of SNSs for both academic and everyday
529 purposes, others restrict their information seeking to non-academic purposes, or do
530 not feel they use SNSs for information seeking at all. A question for further research is
531 whether some teenagers make limited use of SNSs for information purposes because
532 they lack the skills needed to do so. Although they may possess the information
533 literacy skills needed to use more traditional information resources, including online
534 resources, effectively, they may not have the range of literacies required to seek
535 information from SNSs. This appears a likely scenario as comments from some
536 students indicate that they were not even open to the possibility of searching for
537 information using SNS. Heterogeneity can be perceived also in the declared publishing
538 uses of SNSs: only 23.7% of the respondents said that they publish personal texts on
539 SNSs, and 16.5% declared that they never publish content of any kind there. It could
20

540 be relevant to better understand the motivations of these publishing habits, as well as
541 the academic uses of SNSs, in the light of work of Lampe et al (2011) who showed
542 that students may use SNSs such as Facebook to perform academic tasks or
543 homework assignments and to discuss about school life or teachers' instructions.
544 The significant position of SNSs in teenagers' information landscapes, demonstrated
545 through the findings reported above, should encourage educators to consider this
546 type of sources while designing information literacy training programs and especially
547 while developing critical thinking strategies and curricula regarding specifically these
548 social sources. The results of this survey put a different perspective on the training
549 objectives set by the information literacy standards especially those which promote a
550 wider approach, not only focused on digital media, such as Transliteracy. Nowadays,
551 the expert is indeed the one who is able to benefit from different, or even opposing,
552 information sources or media, and to use them equally. While the results have
553 demonstrated that SNSs are used in academic tasks, SNSs are still banned from many
554 schools, associated with teenage life and juvenile socialization, essentially viewed
555 from the perspective of risk and protection of personal data. These results reaffirm the
556 necessity to take into account the important role of social interactions in the
557 information processes that are definitely not merely a simple relationship between an
558 individual and an information system. In line with the paradigm of Transliteracy, our
559 results help to point out educational and social issues at stake in the different types of
560 SNSs uses.

561

562 **Conclusion**

563 While this study has some limitations as explained above, it suggests promising
564 areas for further research and in particular reflections about the relevance of current
565 IL guidelines and training by highlighting the importance of teenagers' SNS usage.
566 SNSs, in particular Facebook, YouTube, and Twitter, are used by the teenagers who
567 responded the questionnaire to search for information, . Regarding tasks directly
568 related to education and school, SNS are used to find information for a task at the
569 direction of a teacher but also for school projects not explicitly directed by teacher
570 and about topics not taught in class. In addition, SNSs are used to search for
571 information related to educational and vocational guidance. The school oriented
572 searches are, therefore, far from being meaningless in these results and suggest it is
573 possible to investigate school and academic tasks as possible a information ground
574 "lever", engaging people in both formal and informal information sharing. By
575 highlighting the role of SNSs as an information source for teenagers both within school

576 and beyond, this research has stressed the porosity that exists between the two
577 “opposing” settings: everyday life and school. While SNSs are frequently described as
578 typical tools in teenagers’ social lives, we should keep in mind that the same SNSs
579 could equally be used for academic purposes. Although information grounds theory
580 has not traditionally included school contexts, we would argue that this approach
581 offers a potentially fruitful framework within which to explore the ways in which
582 teenagers use SNSs, not only as communication tools, but as information sources.

583 This research draws attention to the importance of Transliteracy, or more specifically,
584 taking SNSs into account alongside a wide range of information sources, from word of
585 mouth to books, when designing IL guidelines and media awareness programmes.
586 Research considering SNSs as information sources has the potential to enhance the
587 knowledge about human relationships as an information source, which has been
588 shown to be an important means for information seeking and sharing. It could also
589 contribute to better understanding the information seeking activity in a Web 2.0
590 context, still for the most part overlooked (Hyldegård, 2009; Boubée and Tricot, 2010).

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596 **References** **APA**

597 Advisory Committee on Information Literacy (1999) *Information skills in higher education: a SCONUL*
598 *position paper*. Available at http://www.sconul.ac.uk/sites/default/files/documents/Seven_pillars2.pdf
599 (accessed 23 December 2015).

601 Agosto D E and Hughes-Hassell S (2006) Toward a Model of the Everyday Life Information Needs of
602 Urban Teenagers, Part 1: Theoretical Model. *Journal of the American Society for Information Science*,
603 57(10): 1394–1403,

605 Association of College and Research Libraries (ACRL) (2015) Framework for
606 Information Literacy for Higher Education. Available at
607 = www.ala.org/acrl/standards/ilframework (accessed 2 September 2015).

609 Appadurai A (1990) Disjuncture and Difference in the Global Cultural Economy. *Theory, Culture and*
610 *Society*, 7(2 and 3, July): 295-310.

612 Bae Brandtzæg Petter and Heim Jan (2009) Why People Use Social Networking Sites. Proceedings of the 3d
613 International Conference on Online Communities and Social Computing: Held as Part of HCI International:
614 143-152.
615

616 Biddix JP, Chung, CJ and Park, HW(2011). Convenience or credibility? A study of college student
617 online research behaviors. *Internet and the Higher Education*, 14(3): 175-182
618

619 Bigot R and Croutte P (2007) *La diffusion des technologies de l'information dans la société française :*
620 *Conditions de vie et Aspirations des Français*. CREDOC
621 Available at <http://www.credoc.fr/pdf/Rapp/R317.pdf> (accessed 2nd September 2015).
622

623 Boubée N and Tricot A (2010) *Qu'est-ce que rechercher de l'information?* Villeurbanne: Presses de
624 l'ENSSIB.
625

626 boyd d and Ellison B N (2007) Social Network Sites: Definition, History, and Scholarship. *Journal of*
627 *Computer-Mediated Communication* 13(1): 210–230.
628

629 boyd d (2014) *It's complicated: the social lives of networked teenagers*. Yale University Press. Available at
630 <http://www.danah.org/books/ItsComplicated.pdf> (accessed 2 September 2015)
631

632 Broadbent S (2015) *Intimacy at Work: how digital media bring private life to the workplace*. Walnut Creek:
633 Left Coast Press Inc.
634

635 Cardon D and Delaunay-Teterel H (2006) La production de soi comme technique relationnelle : Un essai de
636 typologie des blogs par leurs publics. *Réseaux* 4(138): 25-71
637

638 Counts S, Fisher KE (2010) Mobile Social Networking: an information grounds perspective. In proceedings
639 of the 41st annual Hawaii International Conference on System Sciences, 7-10 January.
640
641

642 Duggan M, Ellison NB, Lampe C, Lenhart A and Madden M (2015) Social Media Update 2014. Pew
643 Research Center. Available at <http://www.pewinternet.org/2015/01/09/social-media-update-2014> (accessed
644 2nd September 2015).
645

646 EU Kids Online (2014) *EU Kids Online: findings, methods, recommendations*. EU Kids Online, LSE,
647 London, UK. Available at <http://eprints.lse.ac.uk/60512/> (accessed 2nd September 2015).

648

649 Fisher KE, Durrance JC and Hinton MB (2004) Information grounds and the use of need-based services by
650 immigrants in Queens, New York: a context-based outcome evaluation approach. *Journal of the American*
651 *Society for Information Science and Technology* 55(8): 754-766.

652

653 Flanagin AJ and Metzger MJ (2010) *Kids and Credibility: An empirical examination of youth, digital media*
654 *use, and information credibility*. Massachusetts, Cambridge: The MIT Press.

655

656 Gil de Zúñiga H, Jung N and Valenzuela S (2012) Social Media Use for News and Individuals' Social
657 Capital, Civic Engagement and Political Participation. *Journal of Computer-Mediated Communication*, 17:
658 319-336.

659

660 Grant IC (2005) Young peoples' relationships with online marketing practices: an intrusion too far? *Journal*
661 *of Marketing Management*, 21(5/6): 607-23.

662

663 Hampton K, Goulet L, Rainie L and Purcell K (2011) *Social networking sites and our lives: How people's*
664 *trust, personal relationships, and civic and political involvement are connected to their use of social*
665 *networking sites and other technologies*. Pew Research Center's Internet and American Life Project.

666

667 Hargittai E and Hinnant A (2008) Digital Inequality: Differences in Young Adults' Use of the Internet.
668 *Communication Research* 35(5): 602-621.

669

670 Hatlevik Oe E and Christophersen K-A (2013) Digital competence at the beginning of upper secondary
671 school: Identifying factors explaining digital inclusion. *Computers and education* 63: 240-247.

672

673

674 Hyldegård J (2009) Beyond the search process: Exploring group members' information behavior in context.
675 *Information Processing and Management* 45(1): 142-158.

676

677 Ipri T (2010) Introducing Transliteracy: What does it mean to academic libraries? *College and Research*
678 *Libraries News*, November: 532-567.

679

680 Ito [Mizuko](#) et al. (2013) *Hanging Out, Messing Around, and Geeking Out: Kids Living and Learning*
681 *with New Media*. The MIT Press

682 Available at
683 https://mitpress.mit.edu/sites/default/files/titles/free_download/9780262013369_Hanging_Out.pdf (accessed
684 2nd September 2015)
685
686 Jansen BJ, Sobel K, Cook G (2001) Classifying ecommerce information sharing behaviour by youths on
687 social networking sites. *Journal of Information Science*, 37(2): 120–136.
688
689 Jenkins H, Purushotma Ri, Weigel M, Clinton K and Robison AJ (2009)
690 Confronting the Challenges of Participatory Culture: Media Education for the 21st Century The John D. and
691 Catherine T. MacArthur Foundation Reports on Digital Media and Learning. Cambridge, Mass:
692 The MIT Press
693 Available at
694 [https://mitpress.mit.edu/sites/default/files/titles/free_download/9780262513623_Confronting_the_Challenges](https://mitpress.mit.edu/sites/default/files/titles/free_download/9780262513623_Confronting_the_Challenges.pdf)
695 [s.pdf](https://mitpress.mit.edu/sites/default/files/titles/free_download/9780262513623_Confronting_the_Challenges.pdf) (accessed 2nd September 2015)
696
697 Kaplan, AM and Haenlein, M (2010) Users of the world, unite! The challenges and opportunities of Social
698 Media. *Business Horizons* 53(1): 59-68.
699
700 Kim Kyung-Sun, Yoo-Lee Eun Young, Sin Sei-Ching Joanna (2011) Social Media as Information Source:
701 Undergraduates' Use and Evaluation Behavior. Proceedings of *ASIST 2011* October 9-13: 1-3
702
703
704 Kim Kyung-Sun, Sin Sei-Ching Joanna, He Yuqi (2013) Information Seeking through Social Media: Impact
705 of User Characteristics on Social Media Use. Proceedings of the American Society for Information Science
706 and Technology ASIST, 50(1): 1-4
707
708 Kim, Kyung-Sun and Sei-Ching Joanna Sin (2014) Social Media as Information Sources: Use and
709 Evaluation of Information from Social Media. OCLC/ALISE research grant report 2013 [Online]
710 <http://www.oclc.org/research/grants/reports/2013/kim2013.pdf> (accessed 2nd September 2015)
711
712 Kim Kyung-Sun, Sin Sei-Ching Joanna, Tsai Tien-I (2014) Individual Differences in Social.
713 *The Journal of Academic Librarianship*, 40(2): 171–178
714
715 Lampe C, Wohn DY, Vitak J, Ellison N and Walsh R (2011) Student use of Facebook for organizing
716 collaborative classroom activities. *International Journal of Computer supported Collaborative Learning*,
717 6(3): 329-347.
718

719 Lenhart A (2015) *Teen, Social Media and Technology Overview 2015*. Pew Research Center. Available
720 at http://www.pewinternet.org/files/2015/04/PI_TeensandTech_Update2015_0409151.pdf (accessed 2nd
721 September 2015)
722

723 Livingstone S and Helsper E (2007) Gradations in digital inclusion: children, young people and the digital
724 divide. *New Media Society*, 9(4): 671-696.
725

726 Livingstone Sonia (2008) Taking risky opportunities in youthful content creation: teenagers' use of social
727 networking sites for intimacy, privacy and self-expression. *New media and Society* 10(3): 393-411.

728 McCrae RR and Costa PT (1987) Validation of the five-factor model of personality
729 across instruments and observers. *Journal of Personality and Social Psychology* 52: 81-
730 90.
731

732 McKenzie, PJ (2003) A model of information practices in accounts of everyday-life
733 information seeking. *Journal of Documentation*, 59(1): 19-40.
734

735 Mackey TP and Jacobson ET (2014) *Metaliteracy: Reinventing information literacy to empower learners*.
736 Chicago: Neal-Schuman Publishers.
737

738

739 Mercklé P and Octobre S (2012) *La stratification sociale des pratiques numériques des adolescents*. *RESET*
740 1(1). Available at
741 <http://www.journal-reset.org/index.php/RESET/article/view/3/3> (accessed 2nd September 2015).
742

743 Octobre Se (2008) Les horizons culturels des jeunes. *Revue française de pédagogie*, 163(avril-juin) : page
744 numbers ?
745

746 Pettigrew KE (1999) Waiting for chiropody: Contextual results from an ethnographic study of the
747 information behavior among attendees at community clinics. *Information Processing and Management*,
748 35(6): 801-817.
749

750 Savolainen R (1995) Everyday life information seeking: Approaching information seeking in the context of
751 “way of life”. *Library and Information Science Research*, 17(3): 259-294.
752

753 Shirazi F (2013) Social media and the social movements in the Middle East and North Africa: A Critical
754 Discourse Analysis. *Information Technology and People* 26(1): 28 – 49.

755

756 Thomas S, Joseph C, Lacetti J, Mason B, Mills S, Perril S and Pullinger K (2007)
757 Transliteracy: Crossing divides. *First Monday* 12 (12). Available at
758 www.firstmonday.org/article/view/2060/1908 (accessed 2nd September 2015).

759

760

761 Whiting A and Williams D (2013) Why people use social media: a uses and gratifications approach.
762 *Qualitative Market Research: An International Journal* 16(4): 362-369.

763

764 Willemse I, Waller G, Genner S, Suter L, Oppliger S, Huber AL and Süss D (2014) *JAMES - Jeunes,*
765 *activités, médias: enquête Suisse*. Zurich: Haute école des sciences appliquées de Zurich (ZHAW)

766 Available at

767 http://www.zhaw.ch/fileadmin/user_upload/psychologie/Downloads/Forschung/JAMES/JAMES_2015/Rapport_JAMES_2014.pdf (accessed 2nd September 2015).

769

770 **Williamson, K (1998) Discovered by chance: The role of incidental information acquisition in an**
771 **ecological model of information use. *Library and Information Science Research*, 20(1): 23-40.**

772

773 Williamson K, Qayyum A, Hider P, Liu Y-H (2012) Young adults and everyday life information: The role
774 of news media. *Library and Information Science Research*, 34(4): 258-264.

775

776

777 Zaffran J and Pouchadon M-L (2010) La recomposition des pratiques culturelles des adolescent(e)s : terrain
778 français, éclairages québécois. In Octobre Sylvie et al. *Enfance and culture : transmission, appropriation et*
779 *représentation*. Paris: Ministère de la culture et de la communication (Questions de culture), pp. **page**

780 **numbers ?**

781

782

783 |

784 |