

Capturing career information use in everyday life: introducing the CIEL conceptual framework

Marina Milosheva, Hazel Hall, Peter Robertson and Peter Cruickshank

Abstract

Introduction. *Everyday career information use is not fully addressed by extant theories, models and frameworks. In this paper, a conceptual framework of career information behaviour and career information literacy in everyday life is presented.*

Methods. *Over the course of 2021, a literature review of everyday life career information use was completed. As part of this review, a search for boundary objects was performed, and thematically similar conceptual contributions were mapped.*

Analysis. *An analysis of the integral components of ten theories, models and frameworks relating to information behaviour, information literacy, information practice and career development was performed with a view towards the development of a conceptual framework.*

Results. *A conceptual framework consisting of two key components – topography and way of life – was devised following analysis. The framework provides insight into the means by which individuals experience career information in everyday life, and the means by which they navigate career information environments.*

Conclusions. *The conceptual framework presented in this paper is applicable to the development of novel career information literacy theories, models or frameworks, or the modification of extant conceptualisations.*

Keywords: *information literacy, information behaviour, information practices, career, everyday*

Introduction

Career information literacy – framed as a life skill that enables individuals to process career information in a rapidly changing world of work in personally meaningful and democratic ways – is an emerging area of interest for careers scholars and information literacy researchers (e.g., Arur and Sharma, 2022; Zalaquett and Osborn, 2007). At present, however, there is little conceptual and empirical work to inform future research on career information literacy. While there is a good availability of information behaviour theory and information literacy frameworks in general (e.g., Vakkari, 2008; Webber and Johnston, 2017), few make specific reference to employability or career. For example, a graduate employability literacy lens for SCOUNL has been developed (SCOUNL, 2015), but more work to establish a conceptual basis for the study of employability and career information processes in context is needed. In response to this need, a conceptual framework of career information use in everyday life is developed as part of an on-going doctoral project. The insights presented introduce novel conceptual tools for the exploration of contextualised information activities in relation to everyday experiences of *career*.

The importance of teaching information literacy skills has been recognised for quite some time in the field of career development, and means of integrating information literacy instruction within career services have been explored in prior research (Hollister, 2005). More recently, there has also been growing interest into the digital aspects of information literacy in the context of career development. The internet has changed the context in which individuals manage their careers, and the prevalence of digital technologies is associated with an increased availability of online information, hence digital literacy skills are needed for effective career management in the digital age (e.g., Hooley, 2012; Hooley, 2017). In library and information science, these new developments have also attracted scholarly attention. Initial research in the areas of career information literacy and employability information literacy has been conducted (e.g., Lin-Stephens, et al, 2019; Mawson and Haworth, 2018). In neither career studies, nor library and information science, however, are every day, contextualised experiences of career information use given much consideration. In the former, career information literacy tends to be seen as a desirable competency of career counsellors, rather than one to be instilled in those who use career services to make career decisions (e.g., Zalaquett and Osborn, 2007). In the latter, career information literacy tends to be viewed as a set of generic and transferable skills (i.e., graduate outcomes) that can be scaffolded through higher education interventions (e.g., Lin-Stephens, et al, 2019). Thus, not much is known about the performance of everyday career information behaviours in the community, nor the deployment of career information literacy competencies for the purposes of self-directed career development. The research presented in this paper contributes to the development of knowledge of career information behaviour and career information literacy by presenting a conceptual framework to guide and facilitate future research in these areas.

This paper is structured as follows. First, the key themes covered in the paper are introduced in the context of a paucity of research into career information literacy, career information behaviours, and career information practices. Next, common methodologies for mapping boundary objects are introduced, and the methodological approach taken in this work is detailed. The tenets of ten specific theories/models/frameworks of information behaviour, information literacy, and career development are examined, and conceptual analogies across them are identified in the form of boundary objects. Finally, the rationale underpinning the formulation of two boundary objects – topography and way of life – is reported, and a diagrammatic representation of a proposed conceptual framework labelled the Career Information use in Everyday Life (CIEL) is presented. It is concluded that the framework represents an initial step towards the development of a general framework of everyday career information use.

Situating career information literacy in the context of the extant conceptual landscape

The broad theme of workplace information use has received considerable research attention (Nordsteien and Byström, 2018). However, research into information use specific to careers and employability is less abundant. For example, few studies address information seeking during job search with specific reference to social sources of information and information seeking in community settings (Mowbray, et al, 2016). Only three published studies focus on career information behaviour (Julien, 1999; Hultgren, 2009; Stonebraker, et al, 2019). These indicate multiple barriers to applying information as part of career decision-making processes, and specific information seeking strategies for particular contexts. In this work, the researchers highlight the importance of acknowledging the contextuality and sociality of everyday career information seeking.

As is the case for career information behaviour, career information literacy is also under-researched. Fewer than a dozen studies exist on this subject, and little is known about career information literacy in the context of everyday life (e.g., Lin-Stephens, et al, 2019; Valentine and Kosloski, 2021). To date, only Arur and Sharma (2022) have studied socially situated career information literacy practices within multifaceted career information landscapes. While it is known that career decision-making processes are greatly facilitated by the development of knowledge about the self and about the world of work (Jenkins and Jeske, 2016), the means by which such knowledge is developed through information use, and the means by which information literacy skills enable such as information seeking, remain to be established.

In the exploration of new research areas, appropriate extant theories, models or frameworks help govern reasoning. In the case of career information and career information literacy, however, two key factors (elaborated below) hinder the direct application of extant conceptualisations without any modification. In short, there is a need for more precise conceptualisations of everyday information behaviour and information literacy for application to the notion of career to aid research in this area.

The first factor is the distinction between *information behaviour* and *information practice* as two interrelated concepts. Some researchers adopt information behaviour as a general field of investigation that encompasses themes including information needs, information seeking, serendipitous uses of information, and information avoidance (Agarwal, 2015; Ford, 2015). Others deploy the term *information practice* to allow for the investigation of everyday information behaviours and skills that are more disordered and unpredictable than suggested in some information behaviour models (Caidi and MacDonald, 2008; González-Teruel and Pérez-Pulido, 2020). Another approach is to study both information behaviour and information practices within the same programme of research to document information needs, seeking, use, sharing, and practices through a socio-cultural lens (Willson, 2019). In more philosophical treatments of the two themes, information behaviour research is shown to draw upon cognitive and individualised information processing perspectives, and is closely related to information retrieval, while information practice research is inspired by social constructionism adhering to the tenet that societal meanings are jointly constructed through social activity and mutual agreement (e.g., Bawden, et al, 2007; Case and Given, 2016; Savolainen, 2007). Both perspectives make some reference to everyday processes. However, a different degree of importance of socially mediated and contextualised processes is attached to each of them. Thus, the comparative explanatory utility of information behaviour and information practice relative to everyday information use processes is unclear.

The second factor is the failure to address in full everyday career information behaviour and career information literacy in extant conceptualisations of information behaviour, information practice and information literacy. Many of these have been developed for use in higher education, and are most applicable to the completion of linear information seeking tasks such as those performed during the completion of university assignments (e.g., Eisenberg and Berkowitz, 1990). Conceptualisations that model non-linear processes are highly specialised and address information behaviour and information literacy separately (e.g., SCONUL, 2015; Savolainen, 1995). In addition, few make specific reference to work, employability, or career. The exceptions typically refer to information experiences in the workplace rather than information experiences beyond it (e.g., Bruce, 1997a). Thus, career

information processes that take place across diverse everyday life contexts are not fully accounted for. This is an important issue to address because career and employability are known to be linked to under-researched and under-theorised everyday life phenomena such as critical life situations and life transitions (e.g., Martouzkou and Sayyad Abdi, 2017; Willson, 2018). Furthermore, career information literacy differs substantially from information literacy for employability and the workplace (e.g., Milosheva, et al, 2022) and may benefit from bespoke conceptualisations. It would also be worthwhile to integrate the unique assumptions of career theories with the assumptions of information behaviour and information literacy conceptualisations. In doing so, a more complete understanding of everyday life career information use may be produced, taking into account the notion of career associated with individualised and lifelong meaning-making processes, as reflected in dozens of theories from career studies (Yates, 2020).

In the research reported below, the two factors are considered. The tenets of ten theories, models and frameworks on information behaviour, information literacy, information practice and career development were grouped thematically, and parallels between them sought. The purpose of the analysis was to clarify the principles of everyday information use outlined within them, and to seek interdisciplinary linkages between career studies and library and information science so that a conceptual framework of everyday life career information use could be developed. This conceptual framework supports an on-going doctoral study of career information literacy and career information behaviour.

Method

The conduct of interdisciplinary research mandates the identification of commonalities across disciplines, holistic thinking and equal consideration to disciplinary perspectives (Newell, 2013). The boundary object is a useful device to support this as a conceptual or material tool – such as a text, map, idea, concept, person or project – that communicates across different social worlds (Star and Griesemer, 1989; Nolin, 2009). It enhances communication between communities without compromising their autonomy (e.g., Star, 2010; Trompette and Vinck, 2009).

Methodologies for mapping boundary objects are diverse. In general, ethnography and case study research are popular methodological choices (e.g., Dar, 2018; Borgen, 2021). Such methods allow for the documentation of collaborative infrastructures and exploration of the role of boundary objects and intermediary actors in applied practice (e.g., Marheineke, et al, 2016). Literature reviews, systematic reviews, and citation analyses are commonly employed in studies of boundary objects within academic practice (e.g., Baggio, et al, 2015; Enqvist, et al, 2018). Since the stratification of knowledge in research communities is expressed in written academic texts and in the conceptual tools that they use, it is appropriate to examine the meanings, origins and patterns of use of common scientific concepts when identifying boundary objects in academic practice (Carpentier, 2020). In light of this, the central focus of this paper is the identification of tools for interdisciplinary conceptualisation across information behaviour, information literacy, information practice and career development, with specific reference to everyday career information use.

Such conceptual tools are most readily identified in papers outlining the tenets of well-known theories, models and frameworks. For this reason, in respect of the literature search reported here, particular attention was given to locating common conceptual units within extant theories, models and frameworks in career studies and library and information science. One complication inherent in such an approach is that each of these three types of conceptualisations is defined somewhat ambiguously, and associated with different claims regarding descriptive utility, explanatory power, and causality. For the purposes of this research, theories, models, and frameworks were defined as follows:

- Theories describe, predict, and explain phenomena. They may be embedded in research in one of two forms: (1) as quantitatively testable assumptions or (2) as lenses that permeate every aspect of a study, and inform the interpretation of relevant literature (e.g., Collins and Stockton, 2018; Given, 2008).

- Models describe phenomena, but do not explain them. Their scope of explanation is more narrowly defined than that of theories; in them, deliberations of specific processes or specific aspects of a larger phenomenon may be presented (e.g., Nilsen, 2015).
- Frameworks, much like models, may describe, but not explain phenomena. Their scope is broader than that of models; they may contain depictions of complex structures or systems, inclusive of constructs and relationships between constructs (e.g., Nilsen, 2015).

It should be noted, however, that research may be imbued with different assumptions – epistemological, ontological or methodological – that guide researchers’ interpretations of theories, models and frameworks, and of the conceptual units within them. Such interpretive flexibility is especially prominent in relation to the use of theories (Given, 2008). Creators of seminal works and originators of theories, models and frameworks may also develop conceptualisations on the basis of their continued commitment to particular philosophical or methodological traditions. Such commitments may be reflected in the terminology used in their works, and in the emphasis on either qualitative or quantitative data offering valid representations of the phenomena under investigation.

Despite differences in the ideation and interpretation of theories, models and frameworks, several of the claims within them may overlap. For instance, reference to tacit knowledge is made both in Bourdieu’s work (1984) and in cognitive information processing theories, yet the former is more epistemologically consistent and concerned with tacit knowledge than the latter (Thompson, 2019). Thus, conceptualisations are expressions of scope and perspective, whereby certain elements are brought to the foreground, and others are situated in the background. Two different observations of the same phenomenon may yield different descriptions and explanations due to the accentuation of different elements of natural or social occurrences.

In this research, which is concerned with the identification of boundary objects across common conceptualisations of career information use in everyday life, precedence has been given to mapping thematic commonalities between theories, models and frameworks, regardless of whether or not these deal with description or explanation. The units of meaning included in the analysis are concepts, relationships between concepts and background circumstances that create the conditions for observed effects to occur. The differing epistemological, ontological and methodological claims of reviewed works did not inform the literature search or the subsequent thematic analysis. Such detailed analysis was beyond the scope of the study. Nevertheless, the philosophical and methodological intricacies of interpretation of conceptualisations may be considered in future research, especially that which seeks to present a new theory, model, or framework of career information use in everyday life.

Between January and July 2021, a literature search was conducted for the purpose of gathering material of relevance to the doctoral study, the main theme of which is means by which young people navigate career information environments through the deployment of career information literacy skills. The central themes of this work are career decision-making, information behaviour, and information literacy. Due to the novelty of the term *career* within the library and information science literature, a literature search strategy was devised to capture all relevant bodies of literature through appropriate keyword searches. The starting point was a group of five keywords, all of which feature in the title of the doctoral study: (1) career; (2) decision-making; (3) information literacy/information behaviour; (4) workplace/everyday life; (5) young people. This led to the development of five synonym lists (one for each keyword):

(1) *career, occupation, profession, employment, employability, lifelong;*

(2) *decision-making, learning, development, exploration, knowledge, skills;*

(3) *information, information literacy, information behaviour, information practice, information need, information seeking;*

(4) *work, workplace, health, leisure, hobby, everyday life, community;*

(5) *young people, students, pupils, children, adolescents, teenagers, youth.*

The literature search was performed using Boolean searches and citation pearling using the five synonym lists. In line with the interdisciplinary focus of the work, the goal of the literature search was to identify literature both from library and information science and career studies. The databases accessed were Web of Science (<http://wokinfo.com/>), Taylor & Francis (<https://www.tandfonline.com/>), ABI/INFORM (https://about.proquest.com/en/products-services/abi_inform_complete/), Emerald (<https://www.emerald.com/insight/>), LISTA (<https://web.p.ebscohost.com/ehost/search/basic?vid=0&sid=b296f4d8-db1b-47a1-a6aa-6ef47952f715%40redis>) and ProQuest Social Science (https://about.proquest.com/en/products-services/pq_social_science/).

476 papers were shortlisted for analysis as a result of this search, and then used to draft a literature review. Next, an additional search for conceptual works was performed within these 476 papers (to inform the development of a conceptual framework for the research). 16 conceptual papers were identified. Then, inclusion and exclusion criteria were devised for the purpose of mapping conceptual works associated with information literacy practices in everyday life, as opposed to those related to linear information seeking processes. The inclusion and exclusion criteria applied were as follows:

- 1) Conceptual contributions that have an everyday life information seeking component were shortlisted for analysis (e.g., Dervin, 1983; Savolainen, 1995).
- 2) Career models that have been previously argued to be conducive to the study of career information behaviours were included in the analysis (Milosheva, et al, 2021).
- 3) Information literacy models that are most relevant to the completion of distinct tasks within higher education were excluded from analysis (e.g., Eisenberg and Berkowitz, 1990; Herring, 1996).
- 4) Linear information behaviour models and theories that depict information seeking in a prescriptive and sequential manner, and that are most applicable to the completion of assignments in higher education, were excluded from analysis (e.g., Kulthau, 1990; Ellis, 1989).

The use of inclusion and exclusion criteria resulted in a shortlist of theories, models and frameworks of most relevance to the doctoral study, and 10 conceptual papers were selected for thematic analysis. An overview of the filtering process is provided in Table 1. All the work completed for this exercise, and the analysis that followed, was discussed regularly and monitored by the supervisory team.

Next, a search for boundary objects was performed within the shortlisted papers. Thematic coding was conducted in NVivo by pasting the content of articles into the software, extracting and labelling the tenets of conceptual contributions, and employing an open coding strategy. In line with Huvila et al. (2016), the extent to which a given concept was deemed to be a boundary object was dependent on its etymology and its observed uses and interpretations in practice. In addition, scale and scope were considered to identify boundary objects (Star, 2010).

Table 1: Conceptual papers identified through the literature search

List of conceptual papers	Theory, model, or framework (T/M/F)	Discipline of origin	Shortlisted for analysis (Y/N)
Big 6 skills (Eisenberg & Berkowitz, 1990)	M	Library and information science (information literacy)	N
Purpose, location, use, self-evaluation (PLUS) model (Herring, 1996)	M		N
7 faces of information literacy (Bruce, 1997a)	M		Y
Society of college, national and university libraries (SCONUL) 7 Pillars (SCONUL, 2015)	M		Y
Sense-making theory (Dervin, 1983)	T		Y
Information search process (Kuhlthau, 1988)	M	Library and information science (information behaviour)	N
Information seeking behaviour model (Ellis, 1989)	M		N
Small worlds theory (Chatman, 1991)	T		Y
Everyday life information seeking (ELIS) framework (Savolainen, 1995)	F		Y
Model of information behaviour (Wilson, 1999)	M		N
Non-linear model of information seeking behaviour (Foster, 2004)	M		N
Theory of information literacy landscapes (Lloyd, 2021)	T		Y
New decision-learning, opportunity awareness, transition learning and self-awareness (DOTS) model (Law, 2000)	M	Career studies (career development)	Y
Careership theory (Hodkinson, 2009)	T		Y
Systems theory framework (Patton and McMahon, 2015)	F		Y
Career information processing (CIP) model (Sampson, et al., 2020)	M		Y

Findings

The analysis results in five codes and two thematic clusters to generate a conceptual framework of career information use in everyday life (CIEL) as shown in Figure 1. The *topography* cluster refers to the environment in which career information use and career development processes occur with two sub-concepts: *wider information environment* and *personal information environment*. The *way of life* cluster, relates to three sub-concepts: *skills*, *subjective experiences*, and *outputs*, all of which pertain to the meanings ascribed to or derived from, experiences in everyday life and the activities performed within personal career information environments.

Topography and *way of life* are linked because subjective awareness of the career information environment guides action within it. Taken together, these two thematic clusters function as boundary objects between library and information science and career studies, and contribute to the development of a multifaceted, layered understanding of the principles that underpin career information use in everyday life.

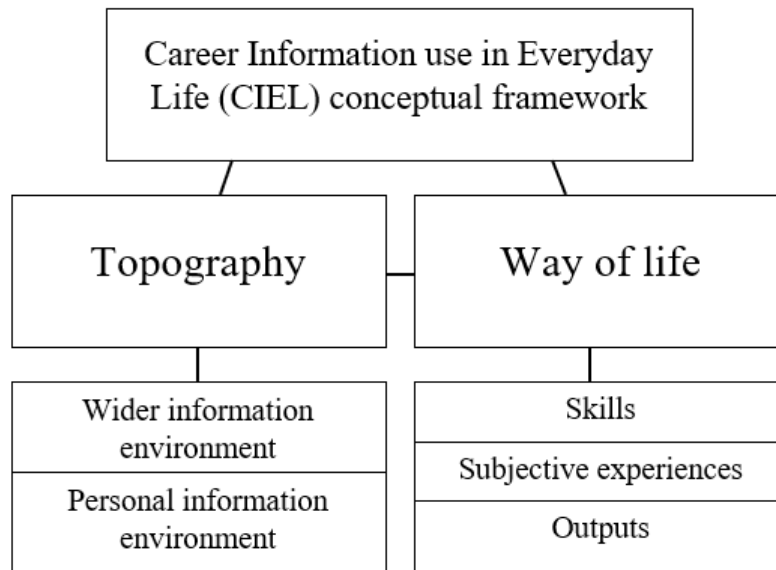


Figure 1: Career information use in everyday life (CIEL) conceptual framework

Discussion

In general, interdisciplinary linkages between conceptualisations of everyday career information use in career studies and library and information science are made apparent in this analysis. For instance, careership theory (Hodkinson, 2009) and Savolainen's everyday life information seeking (ELIS) framework (Savolainen, 1995) are both informed by Bourdieu's habitus theory (Bourdieu, 1984). These researchers also conceptualise information seeking and career development processes as everyday practices. A further example links the work of Sampson et al. (2020) and Dervin (1983). In the cognitive information processing (CIP) model (Sampson, et al., 2020), a career problem is defined as a gap between an existing state of indecision and a more desired state (of career decidedness), and creates a cognitive dissonance which drives problem-solving processes. Similar conceptualisations of gaps and problem-solving are present in Dervin's (1983) sense-making theory. Thus, in both career studies and library and information science, there is an emphasis on problem-solving within one's immediate surroundings. The tenets of extant theories, models and frameworks depict how such problem-solving manifests itself in everyday life.

Further links are evident within sub-concepts of each thematic cluster. In respect of 'the wider information environment' (a sub-cluster of topology), Patton and McMahon's systems theory framework (2015) postulates that career decisions occur within specific social, structural and temporal contexts (Patton and McMahon, 2015, p.142). Individuals are positioned in spatiotemporal contexts, complete with social and environmental strata, which represent the wider environment in which they *come to know* about careers. Similarly, the role of time, place, and context are considered important in information literacy scholarship, and feature in common discourse in one form or another (Gibson and Kaplan, 2017). Examples of concepts that incorporate notions of time and place include information grounds and information horizons (Savolainen, 2009; Sonnenwald, et al; 2001). More recently, Lloyd (2021) has developed a theory of information literacy landscapes that takes into account the information environment as the space in which sayings, doings and relationships are shaped (Lloyd, 2021). Thus, there is a *wider environment* in which career influences and career information reside.

Equally there are evident links related to the sub-concept of *personal information environment* within topology. The '*horizon of action*' in Hodkinson's (2009) careership theory comprises biased, contextualised, and partial information (Hodkinson, 2009, p.6). Career decision-making is pragmatically rational and situated within the horizon of action, i.e., subjectively rational in light of the given circumstances, rather than objectively rational. This reflects Chatman's earlier work (1991)

when she argues that the perception of individuals is bounded by their limited time-horizon as part of their life in a '*small world*'. They are only aware of a limited portion of the wider environment, and their beliefs and expectations are shaped by the social understandings and customs of their immediate social network. The notion of '*horizon of action*' is also thematically similar to the notion of '*information landscapes*' found in Lloyd's (2021) theory: both refer to the resources of which individuals are aware, and which shape action affordances. The horizon of action is the space in which career decision-making occurs, and the information landscape is the space which affords the accomplishment of information practices (Hodkinson, 2009; Whitworth, 2020).

For everyday information seeking, individuals do not cross the boundaries of their '*small world*' to look for information (Chatman, 1991). They make career decisions based on incomplete information, serendipity and what they perceive to be desirable or possible within their horizon of action (Hodkinson, 2009). The horizon of action is not static over time; it may expand or shrink depending on exposure to career influences or career information. Individuals may seek to expand the boundaries of their immediate horizon, either as a function of a perceived inadequacy of the information provided through their '*small world*', or through serendipitous or self-directed career development learning (Chatman, 1991; McIlveen, et al, 2011). Career aspirations are raised once knowledge of previously unknown possibilities is developed (e.g., Ryan and Hopkins, 2013). It can thus be concluded that personal information environments are bounded by individuals' perceptions and awareness of information affordances at given points in time and space. Whether this is referred to as a horizon of action, a small world, or an information landscape, a similar principle applies: career decision-makers act on the basis of what they believe to be true, relevant, or available. The potential for any given individual to act is increased whenever a personal information environment is expanded.

A common thread unites all three of the sub-concepts of way of life. Here information use tends to be implicit in everyday life experiences (across various tasks and settings), rather than explicit in linear information tasks. Commonalities in the analysed work are discussed further below in respect of skills, subject experiences and outputs.

From an interdisciplinary perspective, three types of skills are needed to navigate the personal career information environment: career learning competencies – sensing, sifting, focusing and understanding (Law, 1999); career decision-making skills – communication, analysis, synthesis, valuing and execution (Sampson, et al, 2020); and information literacy skills – identify, scope, plan, gather, evaluate, manage, present (e.g., SCONUL, 2015). There is some conceptual overlap between these skills. For instance, each of the skill matrices follow a logical sequence in which information is gathered, evaluated, and applied towards the development of increased awareness (of the self or the career environment). However, further research is needed to ascertain the skills most applicable to career information use in everyday life, and other types of competencies exhibited by decision-makers.

Skills may be associated with specific subjective experiences and behavioural patterns. These experiences contextualise the formulation of the problem, the solution of the problem and the deployment of skills to address it. Extant conceptual notions of subjective experiences are: interacting with others in the field, turning points and routines (Hodkinson, 2009); mastery of life - optimistic-cognitive, pessimistic-cognitive, defensive-affective, pessimistic-affective (Savolainen, 1995); information technology, information sources, information process, information control, knowledge construction, knowledge extension, wisdom (Bruce, 1997a). According to Bruce (1997b), information literacy is a sum of experiences, and the goal of information literacy education is to help learners broaden their repertoire of experiences.

Further associations across the work analysed are evident in respect of the sub-concept outputs. After an instance of problem-solving in the personal information environment, an information gap is addressed, and self-knowledge and occupational knowledge is developed (Dervin, 1983; Sampson, et al, 2020). The ability to present learning is an important indicator that it has taken place (Bruce, 1997a), hence a tangible output (e.g., a computer file) or an observable outcome (e.g., communication with others) through which information and knowledge is externalised results. From this it can be concluded that individuals who possess a high degree of career information literacy competence

should be able to articulate the self-knowledge and occupational knowledge developed through self-directed career learning (presented in subjective terms and in narrative form).

Conclusion

Following Smyth (2004), the conceptual framework presented in this paper fulfils two important functions: to unite ideas and principles taken from relevant fields of enquiry and to inform the research design of subsequent research.

It has been demonstrated that while multiple theories, models and frameworks of information behaviour, information literacy, information practice and career development exist, to date, no general theory, model, or framework of everyday career information use has been developed. In addition, career information behaviour and career information literacy are under-researched. Therefore, there is little primary evidence to guide conceptualisation, and the explanatory utility of extant conceptualisations as applied to *career* may be limited.

The proposed conceptual framework of career information use in everyday life (CIEL) presented above has been developed to remedy this. The boundary object approach adopted entailed consideration of the thematic commonalities of extant conceptual tools from career studies and library and information science. Two boundary objects – topography and way of life – provide a better understanding of the means by which individuals may come to know about careers within their contextual environments and the types of skills that they may apply when doing so.

The findings indicate multiple commonalities across extant conceptualisations of career information use. Multiple tenets converge to suggest a wider career information environment (i.e., a specific spatio-temporal context and socio-cultural space) and a personal information environment which is bounded by one's awareness and which sets the parameters for action. Action, in turn, is represented as a way of life: an amalgamation of skills, subjective experiences, and outputs that are construed in subjective terms.

The career information use in everyday life (CIEL) conceptual framework thus represents a useful analytical toolkit with which to design future research. It establishes interdisciplinary and conceptual linkages between extant conceptualisations and makes an original contribution to understandings of everyday career information use. At the time of writing, this conceptual framework is being used to develop questionnaire items, an interview script, and digital diary prompts for a doctoral study of everyday career information use (inclusive of career information behaviour and career information literacy). Once findings from this doctoral work emerge, the conceptual framework will be revisited and revised. In its final form it will be presented to Skills Development Scotland (Scotland's national careers agency) so that its value to practitioner audiences and young people can be further evaluated, and means of enhancing young people's career information literacy agency further explored.

It is hoped that the findings reported in this paper will inspire future research into everyday career information use, and be of value in efforts to generate a general theory, model, or framework of career information use in everyday life.

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