A pair of pericopes in the *View Parallel Pericope* (ordered by Greek or by Arabic) can be edited by selecting the *Pericope Manager* menu item in the

upper part of the web page.

As shown in Fig. 9 (on the left), the pericopes at stake are highlighted in orange. They are composed of the previous and the following pericopes (if any) highlighted in different colors. A brief note about the ordering of the pericopes: in this view, the pericopes are ordered following the flow of words in their respective text; hence, no direct linking between pericopes is shown (except for the two pericopes highlighted in orange).

In fact, the editing of a boundary means changing the color (orange vs. another color) of the boundary word of the pericope: the color of the word added to the pericope is set to light blue. Just below the Greek text and the Arabic one, there is a button labeled with *Add*: by clicking this button, the light blue highlighted tokens will be added to the orange highlighted pericope. No additional actions are required to save these modifications. The new pericopes are stored in the database and the modifications are immediately shown.

ALESSIA BELLUSCI*

TOWARDS A TRANSLATION PLATFORM AS A BRIDGE BETWEEN ANCIENT AND MODERN LANGUAGES

PART I. THE BABYLONIAN TALMUD:
A WEB OF KNOWLEDGE BETWEEN PAST AND PRESENT

1. Research Infrastructures and the Problem of Translation

and to fully understand the literary, philosophical, religious, socio-political largely acknowledged, only few scientific research projects have been devot computational translation platform for treating ancient languages has been and scientific concepts embedded in them. Although the importance of a to approach the ancient textual corpora, with which our History was written, scholars from different backgrounds and even a larger non-academic public sent, thus, the precondition for enabling different research entities, individual highly specialized scholars. Updated translations in modern languages repreguages, most of which nowadays are intelligible only to a restrict number of tine our modern identity has been transmitted, in fact, in a wide range of lana considerable potential for the research infrastructures for the Humanities. systems for the translation and analysis of ancient texts have shown to have towards a digital and infrastructural perspective. In this context, support well as individual scholars have been orienting more and more their research in the field of Humanities. National and international academic entities as benefits brought by the application of computational tools to the research The millenary Western and Near-Eastern cultural heritage that concurs to de-In the past decades, scholars have finally started to grasp the remarkable

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¹ By the expressions "research infrastructure" and "infrastructural perspective," here and throughout our contribution, we refer to the definition given by Bozzi-Marchi in the precedent article in this study, p. 27 sgg. Our article on the support systems for the translation of the Babylonian Talmud is an attempt to offer a practical application to some of the fundamental methodological consideration offered by A. Bozzi and S. Marchi and to add some insight on specific aspects of research infrastructures related to the translation of ancient texts.

ed to this specific topic and, particularly, to the development of advanced programs capable of supporting the analysis and translation into modern languages of complex or isolated ancient textual corpora. This unfortunate gap in a research field that has showed an overall growth in the last years can be explained for the most part by the methodological hurdles pertaining to the field of translation itself.

of the original text.3 (b.) Second, in most of the cases, a literal translation, i.e. message from one language to another, involves always two main problems. original text, especially if the translator and the reader are not acquainted to word by word, will not suffice to convey the full meaning embedded in the (a.) First, each translation, even the most literal one, represents a distortion culture cannot be separated and, thus, a text in a certain language cannot be er it is culture that shapes language or the other way around, language and the specific context and culture within which the text was composed. Whethcultures. Particularly, the translation of concepts (e.g. λόγος), metaphors, and simply transposed in another language without a mediation between the two not correspond in the two languages. A good translation, then, is proportionmorphological and syntactical structures, e.g. when the verbal system does of meaning;4 similar difficulties can be found in the translation of particular idioms (e.g. Sitz im Leben) from one language to another might result in loss get language. In this way, the reader is enabled to enjoy a text that adheres to in the original language and (2.) reproducing that specific meaning in the taral to the translator's capacities of (1.) understanding the meaning of the text necessary tools to understand a text that is distant from him/her for different the original one in every detail and, at the same time, is provided with all the reasons (language, epoch, culture, etc.). The translation of a given text, i.e. the operation of transferring a written

² For updated references to research projects of this kind, see the precedent contribution by A. Bozzi, see above, pp. 29-30, n. 5.

a difficult task, in fact, to make available ancient textual corpora written in subjects discussed in the text. In other words, they are requested to go much ancient textual corpora. When dealing with very different genres and topics surface. In fact, the lacunae in a fragmented text inevitably create difficulties very painful especially when we discover a new text preserved on a damaged tion) and for the subsequent translation. This part of the research can be methodological strategy for its edition (diplomatic, eclectic or critical edithe centuries, it is mandatory to establish its recensio and to adopt a specific text, which had been transmitted in copies of copies during the millennia or nial cultural gap with its author/s. Besides the important issues of preserving to grasp the real meaning lying underneath a text, since they have a millenlinguistic and historical competence. Yet even highly trained scholars can fai pus. The translation of ancient texts requires translators detaining a wide they are composed, are scarcely, or not at all, attested outside the given cordead languages to a modern public, especially when the idioms, in which tially with the antiquity and complexity of the text translated. It can be quite to give two of the many possible examples, we easily understand that a good exceptional range of different topics found Ibn Khaldun's Muqaddimah, just within the same textual unit, translators are required to span from very difitor/translator to 'reconstruct' the missing part and, thus, interpret the text." also for the translation, interrupting the textual flow and compelling the edtransmission of a given text or textual corpus. Before translating an ancient hurdles. (c.) The first is a philological problem and concerns the manuscript the original meaning of the text and making it understandable to the target variety of literary styles and genres characterizing the Sacred Scripture, or the further than a translation conceived in its strict meaning. If we consider the ferent fields of knowledge and adapt their linguistic register to the various (d.) The second problem concerns the content complexity often exhibited by language readers, translators of ancient texts generally face three other main The problems concerning translation, discussed above, grow exponen-

³ In his study, Eugene Nida writes: "Since no two languages are identical, there can be no absolute correspondence between languages. Hence, there can be no fully exact translations. The total impact of a translation may be reasonably close to the original, but there can be no identity in detail. [...] One must not image that the process of translation can avoid a certain degree of interpretation by the translator", see, Eugene A. Nida, *Towards a Science of Translating*, Leiden, Brill 1964, p. 156.

⁴ The German expression Sitz im Leben would have little meaning if translated in English literally, it can be fully comprehended only when resolved in a periphrasis referring to its sociological erally, it can be fully comprehended only when resolved in a periphrasis referring to its sociological erally, it can be fully comprehended only when translating this term, thus, we would expect word to the Greek λόγος in modern languages; when translating this term, thus, we would expect word to the Greek λόγος in modern languages; when translating this term, thus, we would expect and the original text (author, genre, epoch, geographical area). Idiomatic expressions of this kind bear in the original text (author, genre, epoch, geographical area). Idiomatic expressions of this kind bear such a pregnant meaning that, in most of the cases, They are not translated and left in the original languages.

⁵ The process of copying and recopying a text clearly brings to the progressive introduction into the text of variant readings, caused by different factors. As copies are made of copies of manuscripts, the amount of textual errors keeps increasing.

⁶ Almost every philologist or historian has once experimented the frustration of finding a hole or a damaged part right in the middle of a key sentence. Working on the magical fragments of the Cairo Genizah, i.e. medieval Jewish texts that had been thrown in the Ben Ezra Synagogue in Cairo from the ninth centrury C.E. onwards, I find myself constantly facing this problem, as most of the researchers working in this field. On the discovery of the Cairo Genizah and the treasure of Genizah tragments, see Stefan C. Reif, A Jewish Archive from Old Cairo: The History of Cambridge University's Genizah Collection, Richmond Surrey, Curzon 2000; Stefan C. Reif – Shulamt Reif, (eds.). The Cambridge Genizah Collections: Their Contents and Significance, Cambridge University Library Genizah Series 1, Cambridge, Cambridge University Press 2002.

edition and translation can be achieved only when scholars from different fields collaborate together in a collegial environment.⁷ (e.) The third problem is, to some extent, related to the previous one and concerns the variegated audience that might be interested in the translation of ancient textual corpora. Several ancient texts bear a great cultural value and, as noted, can offer in Several sight for different academic disciplines (history of religion, social teresting insight for different academic disciplines (history of religion, social teresting insight enjoy the translation of the texts that belonged less specialized public might enjoy the translation of the texts that belonged to their heritage, or feel the need to discover ancient and foreign cultures by approaching their writings. Therefore, when translating ancient documents, approaching their writings. Therefore, when translating for and calitranslators shall have in mind the audience they are translating for and calibrate the target language accordingly to it. If the translation is not only meant brate the target language accordingly to it. If the translation is not only meant for an academic public, translators will have to enhance the translation with further notes and comments to enable readers to grasp a cultural meaning that would be lost, if conveyed only with a literal translation.

manities would benefit the most from a research infrastructure. A research cultural value represent one of the most outstanding cases where the Hustructure that is (a.) user-friendly, (b.) compliant to European standards and texts written in ancient and scarcely attested languages. A research infrasupport system for translation would be a great aid for scholars dealing with platform endowed with advanced computational tools and with an efficient accomplishing a scientifically valuable translation of ancient textual corpora. original and target text represents, in our view, the most incisive choice for (c.) capable of offering a highly specialized annotation and marking of the A platform for the edition and translation of ancient texts might be of great to spread important knowledge in the non-academic world through the Web value in order to stimulate further academic research in different fields and decipherment (e.g., for Etruscan or for the script of the Rohonc codex). integrate a platform for translation with system developed for lost language and software applications. In a not too distant future we may also imagine to In our view, the edition and translation of ancient textual corpora of high

In the present contribution, we would like to present the research infrastructure of the Talmud Translation Project, which is endowed with a support system for translation and well exemplifies the methodological problems and research strategies briefly outlined above and discussed in length in the precedent article by Bozzi-Marchi. Before discussing the novelty of the Talmud Translation Project and its future possible application to the translation of other ancient textual corpora, we shall introduce the Babylonian Talmud itself from a historical, philological and linguistic point of view.

2. RICHNESS AND COMPLEXITY OF THE BABYLONIAN TALMUD

Alongside the Bible, the *Babylonian Talmud* is the Jewish text that has mostly influenced Jewish life and thought over the last two millennia. The *Babylonian Talmud*, known also as *Bavli*, is the most important corpus of Jewish religious and civil law. Believed to gather the Oral Law (*Torah shebe-al-peh*) revealed on Sinai by God, the *Bavli* is a comprehensive literary creation, which went through an intricate process of oral and written transmission, was expanded in every generations before its final redaction, and has been the object of explanatory commentaries and reflections from the Medieval Era onwards. In its long history of formulation, interpretation, transmission and study, the *Babylonian Talmud* reflects inner developments within Jewish tradition as well as the interactions between Judaism and the cultures with which the Jews came into contact. Written in Rabbinic Hebrew and Jewish Babylonian Aramaic and extremely rich in foreign loanwords, the *Bavli* is an exceptional document also from a linguistic point of view. 11

2.1. History and Transmission of the Babylonian Talmud

The history of the *Babylonian Talmud* is deeply related to another text, the *Mishnah*, which represents the oldest postbiblical authoritative Jewish corpus. The *Mishnah* was compiled in Israel in the first two centuries CE

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⁷ For an English translation of Ibn Khaldun's Muqaddimah, see, Franz Rosenthal (ed. and tr.), The Muqaddimah, I-III, Princeton, Princeton University Press 1958 and 1967.

tr.), 1he Muddaumus, 18.11, 18.20.

8 A group of scholars from MIT has recently presented a promising model for the automatic decipherment of lost languages. They tested the efficiency of their model on Ugaritic, a Semitic landecipherment of lost languages. They tested the efficiency of their model on Ugaritic, a Semitic landecipherment of lost languages. They tested manually deciphered in 1932, see BENJAMIN SNYDER guage particularly close to Biblical Hebrew and manually deciphered in 1932, see BENJAMIN SNYDER guage peripherment, AProceed-REGINA BARZILAY – KEVIN KNIGHT, A Statistical Model for Lost Language Decipherment, AProceedings of the Association for Computational Linguistics 2010, 48th Annual Meeting of the Association for Computational Linguistics, Uppsala July 11-16 2010, pp. 1048-1057. A variation of this model for Computational Linguistics, Uppsala July 11-16 2010, pp. 1048-1057. A variation of this model for Computational Linguistics and translation systems for languages that do not have a large might increase the versatility of statistical translation systems for languages that do not have a large corpus of translated literature, by helping to build lexicons for these languages, see Sujith Ravi –

Kevin Knight, Deciphering Foreign Languages, «Proceedings of the Association for Computational Linguistics 2011, 49th Annual Meeting of the Association for Computational Linguistics: Human Language Technologies», Portland, 19-24 June 2011, pp. 12-21.

⁹ Throughout the paper, I use the term 'Bavli' or 'Talmud' to refer to the *Babylonian Talmud*. I use the term 'Palestinian Talmud' when referring to the Talmud written in late antique Israel.

¹⁰ For a general overview on Rabbinic literature and the Babylonian Talmud, see Hermann L. Strack – Günter Stemberger, Introduction to Talmud and Midrash (translated by M. Bockmuehl), Minneapolis, Fortress 1996², particularly pp. 190-225.

¹ For an introduction on the languages of the Talmud, see *ibidem*, pp. 101-108.

tributed to Rabbi Judah ha-Nasi (beginning of the third century CE). 12 The which transmitted orally at least from the fifth century BCE onwards. 13 The by different generations of scholars (Tannaim) and its final redaction is atpreserving ancient legal (Halakhic) and narrative (Aggadic) material, part of Mishnah collects oral laws, which supplement the Written Law (Pentateuch). categories of Jewish law, with a total of 63 tractates (Massekhtaot) and 525 Mishnah is organized in six 'orders' (Sedarim) corresponding to different chapters. 14 For each subject, the Mishnah presents the different opinions in Babylonia, from the end of the third century, another generation of scholars matters of law without giving a final ruling. In late antique Palestine and of teachings and commentaries of the Oral Law, respectively the Palestinian to the composition of two distinct, albeit deeply related, anthological corpora (Amoraim) began to discuss and rule on the contents of the Misbnab, leading follow the orders and tractates of the Mishnah. 16 Talmud and the Babylonian Talmud.15 With minor variants, both Talmuds

medieval sources, the end of the redaction process is attributed to Rav Ashi porary Iraq). It collects heterogeneous sources spanning from the second to Talmudic academies of Sura, Pumbedita, Nehardea and Mahuza (contem-The Babylonian Talmud was compiled in late antique Babylonia in the

and Ravina (the end of the fifth century). Nevertheless, scholars have shown the sixth centuries. 17 According to the Bavli itself (bBaba Mesia 86a) and to tained a fluid form at least until the sixth century. 18 Since the Medieval Era, that the Babylonian Talmud continued to be edited after this date and main-

of the Mishnah, but discusses only 36 tractates. 19 developments of Halakhah and Aggadah. The Bavli covers all the six orders the Babylonian Talmud has received much more attention than the Palestinlegal source for Orthodox Judaism and the foundation for all the successive ian Talmud from commentators and scholars, becoming the most important

started to be transmitted primarily in a written form. Before its editio prinals. From the beginning of the second millennium, the Babylonian Talmud ing the Oral Law was radically changed by historical and political upheavall the second half of the first millennium CE, later on the modality of learnmud had been studied orally in the Babylonian Talmudic academies during with several repercussions also on its edition and translation. While the Taland recopied thousands of times, accumulating innumerable textual errors.²⁰ ceps by Daniel Bomberg in Venice in 1520-23, the Talmud had been copied sponds to the 'Vilna Shas' first printed in Vilna at the end of the nineteenth which, with little alterations, became the basis for later editions. Therefore, Clearly, Bomberg did not use the best available manuscripts for his edition, earliest manuscripts available to us nowadays.21 tique Babylonia and arguably contains many more textual errors than the century, by no means corresponds to the text orally transmitted in late anthe standard and authoritative Talmudic text used nowadays, which corre-The history of transmission of the Babylonian Talmud is very complex,

The Hebrew term 'mishnah' literary means 'repetition' and generally indicates the 'doctrine'

Law (Torah she-be-al-peh) were revealed by God to Moses on Sinai. According to the Jewish tradition, both the Written Law (Torah she-be-ktav) and the Oral

¹⁴ The six orders of the Mishnah and, later, of the Babylonian Talmud, are: 'Seeds' (Ze'raim'), 'Festivals' (Moed), 'Women' (Nashim), 'Damages' (Nexiqin), 'Holy Things' (Kodashim) and 'Puri-

ties' (leborot). 15 The term 'talmud' derives from the Hebrew root "Imd, which means, 'to learn', 'to study',

muds attest to important changes within Jewish society. For instance, despite the Palestinian Talmud, the Babylonian Talmud discusses only the tractate Berachot ('Benedictions') of the order Ze'raim ('Seeds'), probably due to the fact that agricultural laws concern only the Land of Israel and, thus, were not relevant in Babylonia, where the Babylonian Talmud was compiled. 16 Some of the structural differences in the orders and tractates of the Mishnab and the Tal-

Most of the rabbis quoted in the Babylonian Talmud lived between the 20 BCE and the 450 CE.

ta Judaica I», New York, Jewish Theological Seminary, 1977, pp. 275.441 (Heb.]; Davin W. Hallvul, The formation of the Babylonian Talmud, (Transl. by Jeffrey Rubenstein), New York, Oxford Unimot X with a Methodological Introduction, in HAIM Z. DIMITROVSKY (ed.), «Texts and Studies, Analecversity Press 2013. For a new perspective on the composition of the Babylonian Talmud, see MOULE VIDAS, Tradition and the Formation of the Talmud, Princeton, Princeton University Press 2014. On the later layer of the Talmud (Stammaic), see SHAMMA FRIEDMAN, A Critical Study of Yeva-

woman's menstrual period in the tractate Niddab ('Menstruating Woman'). 19 From the order Ze'raim ('Seeds') the Babylonian Talmud discusses only the tractate Berak-bot ('Benedictions'), while from the order Teborot ('Pure Things') comments only the laws on the

Soncino edition of Yebamot, printed in 1508 in Pesaro. The best work on the history of printing of the Talmud remains, RAPHAEL N. RABBINOVICZ, On the Printing of the Talmud, Jerusalem, Mosad Ha-Rav Kuk 1952² [Heb.]. On the early printings, see MARVIN J. HELLER, Earliest Printings of the Talmud, in Sharon Liberman Miniz and Gabriel M. Goldstein (eds.), «Printing the Talmud. From Bomberg to Schottenstein», New York, Yeshiva University Museum 2005, pp. 61-78. 20 Before the editio princeps, isolated tractates of the Talmud were first printed in Spain (Guadalajara or Toledo), Portugal and Italy (Soncino and Pesaro). The standard Talmud page, which has portions of Mishnah followed by the Gemara in the middle and in the inner and outer margins the commentaries of Rashi and of the Tosaphists respectively, was first shaped by the Soncino family. With little change, all the editions of the Babylonian Talmud follow the model fashioned in the

medieval manuscripts, there are also quotations from the Talmud in other texts – such as in the late antique corpus of the Babylonian incantation bowls – and the priceless collection of fragments from the Cairo Genizah, the earliest of which are dated to the ninth century. This manuscript material is of GOLDSTEIN (eds.), «Printing the Talmud. From Bomberg to Schottenstein», New York, Yeshiva University Museum 2005, pp. 97-102. A large amount of manuscripts of the Babylonian Talmud – or, more likely, of some of its sections – have been preserved and are particularly useful for Talmudic philology. STANISLAWSKI, The 'Vilna Shas' and East European Jewry, in SHARON LIBERMAN MINTZ - GABRIEL M. for instance, Cod. Hebr. 95, dated to the 1342 and today preserved in the Bayerische Staatsbibliothek in Munich is particularly relevant, transmitting the text of the Babylonian Talmud almost entirely. Besides great value for Talmudic scholars attempting to restore, at least in part, the original text of the Talmud. 21 The Vilna edition was published by the Widow and Brothers Romm in 1880-86, see MICHAEL

edition - studied in Yeshivot (Talmudic academies) all over the world - also valuable starting point for studying the Babylonian Talmud, any philological, of this text among Italian speakers. Although the Vilna edition represents a cational study within rabbinic colleges and schools and for the divulgation the general purpose of the project to produce a translation aimed for edufor the Italian translation of the Babylonian Talmud. This choice adheres to manuscripts and earliest printed editions. Particularly, in the context of the academic purposes would require a thorough examination of the relevant historical, and philosophical analysis carried out on this textual corpus for production of the critical edition of specific tractates of the Babylonian Talinfrastructure originally developed for the Talmud Translation Project does to manage an extremely intricate critical apparatus. Although the research mud - or, more ambitiously, of the whole corpus - it would be necessary ous contribution by Bozzi-Marchi. The possibility of producing an advanced such as those employed in Greek into Arabic and described in the previnot include the management of the manuscript recensio of the Banylonian great advantage for Talmudic philology, offering a valuable alternative to the computerized synoptic presentation of all the relevant lectiones would offer a Talmud, it can be easily upgraded with specific applications for this task, traditional apparatus. Within our project, the Italian Rabbinic College decided to use the Vilna

2.2. Languages and Style of the Babylonian Talmud

Beside the historical and philological complexity of the Babylonian Talmud, we shall underline the linguistic richness presented by this textual corpus, since it inevitably affects any attempt of translation and any research pus, since it inevitably affects any attempt of translation and any research pus, since it inevitably affects any attempt of translation and any research pus, since it inevitably affects any attempt of translation and any research pus, since it is extant form, the Babylonian Talmud attests to a variety of different languages and idioms. We can roughly mud attests to a variety of different languages and idioms. We can roughly mud attests to a variety of different languages and idioms. We can roughly mud attests to a variety of different languages and idioms. We can roughly mud attests to a variety of different languages and idioms. We can roughly mud attests to a variety of different languages and idioms. We can roughly mud attests to a variety of different languages and idioms. We can roughly mud attests to a variety of different languages and idioms. We can roughly mud attests to a variety of different languages and idioms. We can roughly mud attests to a variety of different languages and idioms. We can roughly mud attests to a variety of different languages and idioms. We can roughly mud attests to a variety of different languages and idioms. We can roughly mud attests to a variety of different languages and idioms. We can roughly mud attests to a variety of the Babylonian Talinfrastructure focusing on this text. In its extant form, the Babylonian Talinfrastructure focusing on this text. In its extant form, the Babylonian Talinfrastructure focusing on this text. In its extant form, the Babylonian Talinfrastructure focusing on this text. In its extant form, the Babylonian Talinfrastructure focusing on this text. In its extant form, the Babylonian Talinfrastructure focusing on this text. In its extant form, the Babylonian Talinfrastructure focusing on the Babylonian Talinfr

ulary, some of which underwent semantic or morphological changes, and acknowledge two layers of Mishnaic Hebrew: (a.) Tannaitic Hebrew used in ic) and non-Semitic languages (Persian, Greek, and Latin).23 Most scholars ed in the canonical Mishnah; the later stratum, Amoraic Hebrew, is attested position, and in the Baraytot, i.e. external Tannaitic material not incorporatfrom the Mishnah, in quotations from the Toseftah, another Tannaitic comonly and its spoken form was replaced by Aramaic.24 Within the Babylonian proximately, 220-500 CE), when this language became a written language domains of life, and (b.) Amoraic Hebrew used in the Amoraic period (apthe Tannaitic period (roughly, 1-220 CE) – both spoken and written – in all incorporates words from both Semitic (Akkadian and, particularly, Aramasents a high number of citations from the Bible, thus, written in Biblical of Babylonian incantation bowls. In addition, the Babylonian Talmud predialect close to Mandaic and attested to, besides the Talmud, in the corpus to in the discussions of the Amoraim. The most extensive part of the Bavli Hebrew, a few quotations from other rabbinic writings in Palestinian Arathe Gemarah, is written in Jewish Babylonian Aramaic, an eastern Aramaic Talmud, the older layer, Tannaitic Hebrew, is acknowledged in the portions maic (also called Galilean Aramaic), and several foreign loanwords mainly from ancient Greek and Persian, but also from Akkadian, Latin, Syriac and

population could not understand the Scripture in its original language without the aid of translations (*argumin*): "They read from the Book of the Law of God, making it clear and giving the meaning so that the people understood what was being read" (Nehm. 8:8). Although the spoken dialect had existed alongside the literary language, it developed according to its own pattern. With minor variants, this dialect is attested to in the Copper Scroll (first century CE) and in the letters of Bar-Kokhba (132-135 CE), besides rabbinic literature; part of the Dead Sea Scrolls and the Hebrew version of Ben Sirah also present influences from Mishnaic Hebrew.

²³ For instance, zuz (τιτ), 'a monetary unit', from Akkadian zūzu; vered (τιτη), 'rose', from Per-

sian varda.

24 See Eddard Y. Kutcher, Some problems of the lexicography of Mishnaic Hebrew, in Eddard Y. Kutcher, Some problems of the lexicography of Mishnaic Hebrew, in Eddard University 1972, vol. I, pp. 29-82 [Heb.]. The division between Tannaitic and Amoraic Hebrew is much wrisity 1972, vol. I, pp. 29-82 [Heb.]. The division between Tannaitic and Amoraic Hebrew is much more blurred. In particular, it shall be taken into account that Aramaic was spoken in Palestine already in the Tannaitic period and that, in the Amoraic period, Talmudic material was still transmitted orally and not only in writing. Moreover, the final redaction of the Talmud caused a linguistic uniformity between the two dialects. For an overview on these issues, see Yochanna Breuer, Amoraic Hebrew, in Geoffrey Khan (ed.), «Encyclopaedia of Hebrew Language and Linguistics», I-IV, Brill Online Edition, http://referenceworks.brillonline.com/entries/encyclopedia-of-hebrew-language-and-linguistics/amoraic-hebrew-EHLL_COM_00001587s.num=8 (last entry: October 2014).

²⁵ See Paul S.J. Mankowski, Akkadian Loanwords, Shai Heijmans, Greek Loanwords, Cyrli Aslanov, Latin Influence on Hebrew, Thamar E. Gindin, Persian Loanwords, and Haseeb Shehabet, Arabic Loanwords, in Geoffrey Khan (ed.), «Encyclopaedia of Hebrew Language and Linguistics», 4 vols., Brill Online Edition, http://referenceworks.brillonline.com/browse/encyclopedia-of-hebrew-language-and-linguistics (last entry: October 2014).

²² For a long period classical Biblical Hebrew coexisted in Palestine with a dialect variant. Sources from the Second Temple Period onwards suggest, in fact, that classical Biblical Hebrew represented the written language, understood only by erudite people. According to the Book of Nehemiah, already at the time of the narrated events (sixth-fifth century BCE), the majority of the

stream-of-consciousness. These stories are generally very short, but can extend and very peculiar literary style. The Talmud, in fact, presents thousands of stoare incongruent from a temporal and geographical perspective. As noted, the also for some pages. In several instances, the dialogues between the rabbis ries and dialogues concerning all aspects of life, narrated through a sort of rabbinic authorities belonging to different generations, epochs (Tannaim and of the Gemarah, which displays the relevant textual material in a succession of dictions occurring in the Mishnab. The sugya' represents the basic literary unit ent rules stated in the Tannaitic text to the Bible, and harmonizing the contraspeculating on the principles behind the Mishnah's case laws, linking the differmarab implies discussing the positions and lexicon adopted by the Tannaim, Babylonia). The thorough exegetical work on the Mishnah operated in the Ge-Amoraim), and geographical areas (Graeco-Roman Palestine and Sassanid Gernarah develops in the form of a dialectical exchange between numerous corresponds one or more sugyot. Although constructed according to specific question and answers. To each mishnah ['statement'/law' from the Mishnah] literary conventions, the succession of sugyot in the Babylonian Talmud gives continuously transmitted and re-interpreted in late antique Judaism. attest to an extremely vast body of legal and narrative knowledge, which was the perception of a fluent and live debate between rabbinic authorities. The it is also a reflective literary creation. Together the Mishnah and the Gemarah Babylonian Talmud certainly represents the commentary of the Mishnah, but The linguistic complexity of the Bavli is reflected by an intricate structure

eral passages based on threefold repetition, an event or a pattern in a dialogue the numerous quotations from other written and oral sources, the Babylonian Biblical quotations, periscopes of Tannaitic statements, dictums of individual tions of portions from the Mishnah, long Amoraic discussions, innumerable web of different textual material. The Bavli, in fact, is studded with quotais repeated three times with almost no changes.²⁷ In some instances, the same Amoraim quoted by name and later anonymous connective passages. Besides Talmud is often characterized by repetitive and formulaic language. 26 In sev-To a certain extent, the Babylonian Talmud can be considered an intricate

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such as Toseftab, Midrashim, and Palestinian Talmud. passage in the Babylonian Talmud might be retold in other rabbinic sources, passage is even repeated in a different tractate. In general, a certain story or

it will be outlined later (3.3.), the high amount of genres, quotations and exegetical and homiletical nature, it deals with ethics, jurisprudence, liturgy, effort of several experts from different fields. tional tools for advanced annotation and mark-up and allowing the collegia ble for been studied within a research infrastructure endowed with computacross-references embedded in the Talmud makes this text particularly suitaritual, philosophy, trade, medicine, astronomy, magic and so much more. As The Babylonian Talmud is extremely rich also in its content. With a strong

stylistic complexity. The Babylonian Talmud, thus, began to be translated in it. Nevertheless, in the mid-nineteenth century the need of the aid of transguages, often relying only on the vast literature of commentaries related to and its cultural lore.²⁹ In the next part (3.), we will outline the main features aims to make available for the Italian speaking public the Babylonian Talmua scientific sub-field, i.e. the translation of the Babylonian Talmud in modern the different vernacular languages spoken by the Jews, inaugurating a new pora such as the Bavli of the system and the advantages it offers for the translation of ancient corlanguages.²⁸ Our project, the Talmud System, is situated in this context and lation became more urgent in the Talmudic studies, due to its linguistic and For centuries, the Jews studied the Babylonian Talmud in its original lan-

by tradition"), which represents the conventional formula to introduce Mishnaic passages; "למצא ("Whence have we it?"), which represents the conventional formula to introduce an inquiry conother teaching to the one which has been quoted]"); "un" ("We have learned", "We have received say"), which is a formula generally used to introduce other variants and authorities; "לישנא אחרינא" ("Another version"), "המינו בה" ("We then raised the guestion"); "רמינה" ("We have opposed [ancerning the Biblical basis of a saying 26 For instance, note the high recurrence of the following formulae: "און "(" And if you will " (" And if you will ")."

⁷⁷ This is a typical feature of folkloric tales and, in general, oral genres, see JEFFREY L. RUBEN-STEIN, Stories of the Babylonian Talmud, Baltimore, The John Hopkins University Press 2010, p. 18.

²⁸ So far, the Babylonian Talmud – the whole corpus or part of it – has been translated, to date, in German, English, Hebrew, French and Russian. For an exhaustive overview on the history of translation of the Babylonian Talmud and on the different polemics on translations, see ADAM MINTZ, The Talmud in Translation, in Sharon Liberman Mintz – Gabriel M. Goldstein (eds.), apprinting the Talmud. From Bomberg to Schottenstein», New York, Yeshiva University Museum 2005, pp. 121-141.

²⁹ Before the ongoing translation carried out within the Talmud Translation Project, the only attempt of a printed translation in Italian of the Babylonian Talmud is, to our knowledge, Zolli's translation of the tractate Berakhot, see Eucenio Zolli, Il Talmud Babilonese: Il trattato delle bendizioni. Con uno studio introduttivo di Sofia Cavalletti, Bari, Laterza 1958