Cross-Cultural Communication and SDG 17: Strengthening Global Partnerships for Development Communication competencies in multi-stakeholder collaborations

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ABSTRACT

Cross-cultural communication plays a key role in the realization of the Sustainable Development Goal 17 (SDG 17) on the need to enhance global partnerships to ensure sustainable development is realized. In a world where the interactions between governments, civil societies, business, and international agencies are becoming more interdependent, competencies dealing with the management of cultural diversity based on trust, inclusivity and decision making is important to have. The paper addresses how communication competencies can help actors transcend cultural barriers, reduce misunderstanding and build fair grounds of collaboration. The paper uses previous research to appreciate the significance of cultural sensitivity, flexibility, and participatory processes in collaborative systems in intercultural dialogue, organizational behavior, and development communication. The research methodology is based on qualitative synthesis of peer-reviewed literature sources, policy frameworks, and case studies to determine the best practices and predictable issues. Results indicate that cross-cultural partnerships require a cultural competency, the open line of communication and shared values, whereas miscommunication expectations and ethnocentric attitudes are likely to result in failure. The paper ends on the note that in spite of the strength of cross-cultural communication in implementing SDG 17, there exist limitations in scaling capacity-building programs and a power imbalance between the stakeholders. Future research needs to aim at developing models of communication that fit in particular settings, models of digital mediation, training based on strengthening the relationships between global partnerships within a culturally diverse context.

Keywords: Cross-cultural communication, SDG 17, global partnerships, development communication, multi-stakeholder collaboration, cultural competence.

1. INTRODUCTION

The 21 st century is the globalization age and it has become a priority that in order to achieve sustainable development there should be effective communication across cultures. The 2030 Agenda for Sustainable Development Goal 17 (SDG 17) notes the imperative need of global alliances as the key to successful realization of the overall agenda [1]. Unlike the specific goals of the sectors covered, SDG 17 develops the platform to coordinate activities by uniting governments, non-governmental organizations, civil society, commercial enterprises, and international organizations to effectively respond to the in-grained challenges of the world. The core of the relationships would be communication, in which they are mainly cross-cultural communication as this is the foundational block through which stakeholders with different cultural, linguistic, and organizational values can synchronize their goal and create a trust and co-create meaningful solutions.

What makes cross-cultural communication relevant in multi-stakeholder partnerships is the fact that cultures shape the perceptions and understanding of individuals and groups as they receive information and meanings that are negotiated. Cultural aspects like directness v. indirectness, individualism v. collectivism, high-context v. low-context interactions have a strong bearing to the process of interaction. Failure to consider such differences may lead to misunderstandings, distrust and ineffectiveness in cross-cultural ventures. Whereas, the element of cultural competence- skills like adaptability, empathy, cultural awareness and participatory listening will increase the possibilities of partnerships becoming successful. The premise behind the proposed study is the necessity to emphasize the importance of cross-cultural communication skills

in the promotion of SDG 17 and the necessity to provide partnerships with the character of the relationship, rather than merely effective [3].

The other incentive is the growing complexity of global issues. Climate change, pandemics, poverty reduction, and digital inequality are issues that demand multi-nation coordination in how to act in response. Multi-stakeholder alliances tend to be charged with brokering cross-cutting interests and cross-cultural orientations. The concept of communication in this respect is not only desirable to get information transfer, but to also foster building consensus, resolve conflicts and negotiate shared values [17][]. Partnerships fail to build the communication competencies to manage this effectively, and risk being dominated by those who are powerful to the exclusion of those who are marginalized. Consequently, this paper will endeavor to develop an overview of the ways through which communication competencies can effectively be employed in reinforcing global partnerships both theoretically and practically [5].

This work has three objectives. To first examine the impact of cross-cultural communication on the performance of partnership in implementing SDG 17. Second, to single out key skills-such as cultural sensitivity, adaptability and participatory approaches- that will help the stakeholders to cross the communication barrier [8]. Third, in order to illustrate the experience of both the successes and failure of global collaborations in contexts where cultural communication became one of the central issues. In achieving these goals, the paper will help to bridge the gap between the theory of development communication and the on-the-ground realities of multi-stakeholder partnerships.

Moreover, the given work is based on the idea that communication is not value-free. The language power disparity between Global South and Global North, linguistic hierarchies in which languages like English are more privileged, and institutional differences that tend to define international partnerships may be factors that define the communication environment of international partnerships. It is important to understand such dynamics as they have an essence of making global partnerships inclusive, just and sustainable. Thus, this paper points to the ethical aspect of communication in development and presents it as an area of competence and not a technical one.

To conclude, the introduction indicates that cross-cultural communication should be viewed as an opportunity and a challenge to SDG 17. It explains the rationale behind the inspiration-based on the necessity of fair and inclusive cooperation- the aims that revolve around examining the communication skills in multi-stakeholder contexts, and the significance of dealing with cultural and power imbalances in international relations. This situational background reaches to the originality and contributions of the present work, which has the aim of offering new knowledge regarding how the communication competencies could be implemented in operations that lead to sustainable development results [9].

The Figure 1 shows how building communication competencies can be used to bring the stakeholders together overcoming the cultural barrier resulting in better partnerships in the global stage and thus SDG17.
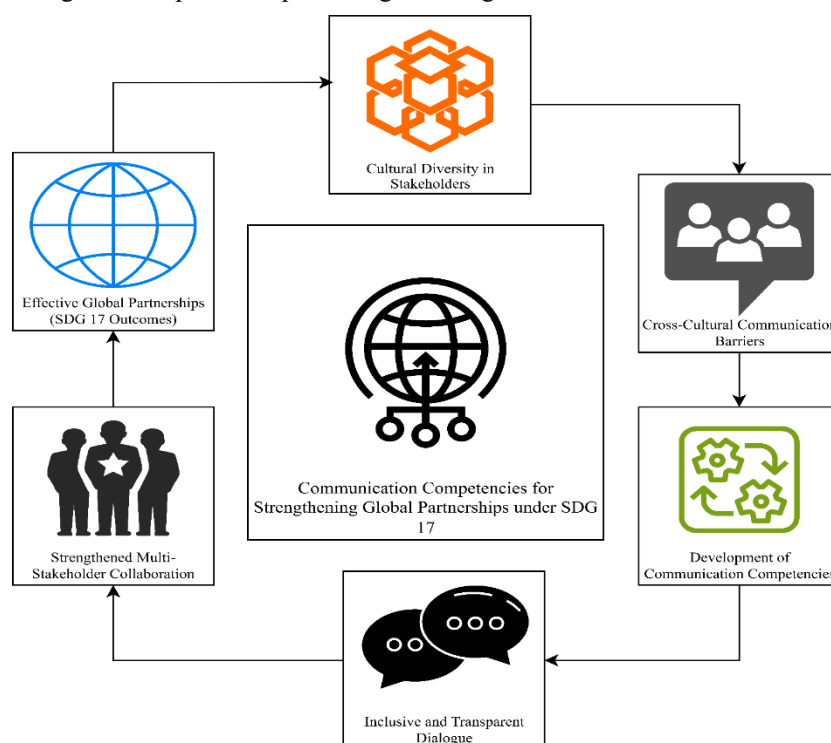

FIG. 1: COMMUNICATION COMPETENCIES FOR STRENGTHENING GLOBAL PARTNERSHIPS UNDER SDG 17

1.1 Novelty and Contribution

This paper is also a first and original contribution as it presents cross-cultural communication not merely as the ancillary skill but rather as the core competency within the context of SDG 17 partnership realization. Although earlier studies have already recognized the difficulties in dealing with the diversity of cultures, the present study unites the theoretical points of view and relates case stories that could emphasize the significance of communication as the determinant issue in the results of a partnership. The innovation is in its integrative framework--the way cultural theory, development communication, and empirical case study is blended to provide a holistic picture in the communication dynamics that influence collaboration [4].

There are four key contributions of the present paper. It forms a conceptual framework that delineates the correlation between the competencies of communication and the efficiency of the international collaboration. Secondly, it characterises the realistic issues that negate fair participation namely language preponderance, top-down decision-making process and ethnocentric dispositions. Third, it presents practical policies, such as participatory dialogue mechanisms, multilingual forums, and digital mediation mechanisms which may be used to advance cultural inclusivity in partnerships. Lastly, it proposes future directions in research and practice, highlighting the need of communication training, the measurement of intercultural competence and the influence of digital innovation in the mediation of cultural differences [7].

This paper brings in a contribution to both practice and theory. Theoretically, it broadens the context of development communication by adding the dimensions of cross-cultural and infusing it into the narrative of SDG 17 implementation. In practical terms, it offers policy makers, practitioners and institutions some understanding of how communication skills can be developed and institutionalised within partnership structures. The work can thus be seen as a conveyance between academic thinking and effective development work and follows the universal international theme of the need to create partnerships, which are inclusive and sustainable and effective in resolving common problems.

2. RELATED WORKS

In 2024 Subaveerapandiyan A. et.al., Kalbande D. et.al., & Ahmad N. et.al. [10] introduced the nature of cross-cultural communication in the framework of global partnerships has become the topic of growing interest as international collaboration is becoming a necessity to resolve crises related to climate change, pandemic, and poverty struggle. Research studies have always shown that there are no uniform communication practices but rather that such activities are culturally constructed. Under the circumstances where the stakeholders represent different cultures and institutions, the efficiency of collaboration mostly depends on the possibility to overcome organizational and cultural barriers in communications. Researches on development programs have revealed that even when a partnership is successful, it does not fail due to the technical inability of partners or limitations of resources, but instead, it fails due to the breakdown in communications that is attributed to cultural misalignment.

Among the dominant common themes surrounding the literature, the effects of cultural structures within organizational interaction have been described. Comparisons have shown that the cultures with hierarchical orientation often prefer top-down communication encounters whereas egalitarian cultures prefer participatory dialogue. Multiple stakeholders have opposite expectations that may create friction in multi-stakeholder collaboration unless handled with cultural competence. As an example, in international health activities, the effects of the achieved projects were more viable when the local conventions were factored into communication conduits instead of injecting foreign conduit of communication. This observation makes it clear that there is a need of versifying the communication styles instead of having universal application.

The body of development communication work already highlights the participatory approaches as a solution to cross-cultural barrier. Early forms of communication that support one direction information flow have been condemned as silencing local participation and as an instrument to maintain power balances. Participatory communication, on the contrary, builds such platforms where agenda-setting and decision-making is a two-way interaction among all the stakeholders. These methods have also been widely celebrated as a way of ensuring that there is more trust, that cultural inclusivity is embraced, and also that there is a greater sensitivity of long-term commitment in partnership. Such studies show the significance of building the communication processes that are not only informative but involve dialogue and inclusion too.

The comparative analysis of the international cooperation in the fields of education, climate change action and humanitarian assistance identifies the significance of language variety in the determination of cooperation outcomes. Projects that are implemented in multilingual contexts are likely to encounter issues of correctness of translation, dominance of international languages and contextual meanings. Inability to accommodate linguistic explicitness will likely allow industry players to benefit only those that express themselves in mainstream tongues, perpetuating disparities in the alliances. On the other hand, the projects that made the investment into multilingual communication platform where more successful reporting a high level of stakeholder participation and ownership. It proves that the level of consideration of language dynamics is not incidental but is a determinant of equitable interactions.

Other studies done in the field of organizational behavior have also established the importance of differences in communication styles on the decision making processes. High-context based cultures that on non-verbal codes and hidden meaning tend to conflict with low-context based cultures that use direct and explicit communications. In the absence of knowledge of other cultures, these differences cause misunderstandings, misunderstandings and, in certain situations, even conflict escalation. Existing literature on multi- stakeholder initiatives has tended to suggest that hybrid models of communication, those combining the features of a high context and a low context approach find greater success in mediating between cultures. This implies that the competencies required to deal with culturally diverse communication are adaptability and flexibility.

In 2024 Tang S. et.al., Wider W. et.al., Ng C. P. et.al., Jiang L. et.al., Tanucan J. C. M. et.al., Bien J. K. C. et.al., & Udang L. N. et.al. [6] proposed the other body of literature concerns itself with making a case on the use of digital communication in cross cultural partnerships. The introduction of digital open collaboration platforms has led to increased use of technology amongst stakeholders to bridge the borders. Although online tools provide a way to conduct real time communication, they also present certain problems of cultural interpretation, virtual miscommunication and unequal access to technology. Inclusivity has been professed as a feature of digital mediation, but not a sign of cultural competence that can be replaced by it. Creating partnerships that use digital tools to their full advantage usually combine digital tool use with capacity-building efforts that work to enhance the intercultural communication capacity of the participants.

There is also support in the literature on the need to deal with asymmetries in power within communication. Typically, international collaborations feature Global North and South actors, the communication of which is distorted due to historical, political, and economic imbalances. Research has indicated that some stakeholders mostly define the norms of communication leaving behind other smaller and weaker voices. This dynamism contravenes the principle of inclusivity as the core of SDG 17. Partnerships described in case studies will find that those that actively involve democratization of communication processes are more likely to establish a greater sense of trust and more sustainable partnerships.

Although these insights are made, there are still loopholes in the operationalization of communication frameworks in development partnerships. Most researches concentrate on identifying the issues without offering concrete solutions of developing communication skills. As an illustration, although the need to be culturally sensitive is often raised, the ways of training the stakeholders to acquire this skill in a real setting are scarcely researched. On the same note, the participatory models of communication are lauded but not as many give specific guidelines on how to incorporate these models into large and multinational alliances. This indicates the necessity to have studies that connect theory with action.

In 2024 Bharaneedharan B. et.al., Suresh P. et.al., Elumalai P. V. et.al., & Asif M. et.al. [2] suggested the literature review proves that there is a certain relationship between the cross-cultural communication and the multi-stakeholder collaborations success. It outlines the cultural competence, participatory methods, lingual inclusiveness, digital mediation, and power ratios as key elements that affect the results of a partnership. Nonetheless, it points to gaps in current research, especially regarding how to transcend theories into practice by developing tools and training programmes. Plugging this gap is critical in the successful implementation of SDG 17, to ensure that global partnerships are not only practical, but also inclusive and equitable.

3. PROPOSED METHODOLOGY

The proposed methodology is designed to examine how cross-cultural communication competencies contribute to strengthening multi-stakeholder partnerships under SDG 17. The methodology integrates qualitative assessment of communication processes with quantitative modeling of partnership dynamics. This hybrid approach allows both the conceptual and measurable aspects of communication to be evaluated, ensuring that cultural diversity and interaction quality are captured in analytical form [14].

The first step in the methodology is to represent communication effectiveness mathematically. Let us define the communication effectiveness score C_e as a weighted combination of cultural sensitivity (S), adaptability (A), and participatory engagement (P) :

$$C_e = \alpha S + \beta A + \gamma P \tag{1}$$

where α, β, γ are weights assigned based on importance in the partnership context. This equation models communication effectiveness as a function of three core competencies.

Partnership strength (P_s) is assumed to be a direct outcome of communication effectiveness. However, it also depends on trust (T) and inclusivity (I). Thus, partnership strength is expressed as:

$$P_s = C_e \times (T + I) \tag{2}$$

This highlights that even when communication is strong, without trust and inclusivity, the partnership cannot reach its full potential.

The methodology further accounts for linguistic diversity, as language differences often create barriers. Let the linguistic

alignment index (L_a) be represented as the inverse of linguistic distance (D_l):

$$L_a = \frac{1}{1+D_l} \tag{3}$$

where D_l represents differences in vocabulary, grammar, and semantics. Higher L_a indicates greater ease in communication.

Cultural differences are modeled using a cultural distance function (C_d), which can be expressed using a Euclidean metric across multiple cultural dimensions:

$$C_d = \sqrt{(x_1 - y_1)^2 + (x_2 - y_2)^2 + \cdots + (x_n - y_n)^2} \tag{4}$$

where x_i and y_i represent the scores of two stakeholder groups across n cultural dimensions. Larger C_d implies greater cultural distance.

To capture the probability of misunderstanding (M_p) in communication, we can express it as:

$$M_p = \frac{C_d}{C_d + L_a + 1} \tag{5}$$

This indicates that misunderstanding probability increases with cultural distance but decreases with linguistic alignment [13].

The effectiveness of conflict resolution (R_e) in partnerships can be expressed as a function of adaptability (A) and dialogue openness (D_o):

$$R_e = \delta \cdot A \cdot D_o \tag{6}$$

where δ is a scaling factor. Higher adaptability and openness reduce the impact of cultural conflicts. Another key component is mutual trust-building rate (T_r). This can be modeled using a logistic growth function, where trust grows but eventually stabilizes at a saturation point:

$$T_r = \frac{T_{max}}{1+e^{-k(t-t_0)}} \tag{7}$$

where T_{max} is the maximum trust achievable, k is the growth rate, and t_0 is the time midpoint of trustbuilding.

Partnership sustainability (S_u) is assumed to depend on communication effectiveness, trust rate, and inclusivity index. It can be modeled as:

$$S_u = \eta \cdot C_e \cdot T_r \cdot I \tag{8}$$

where η is a proportionality constant representing contextual factors.

Additionally, a resilience score (R_s) is developed to measure how partnerships withstand disruptions (e.g., crises, cultural clashes). It is defined as:

$$R_s = \frac{P_s}{1+M_p} \tag{9}$$

This ensures that higher misunderstanding probabilities reduce resilience, even when communication and trust are strong.

Finally, an overall Global Partnership Effectiveness Index (GPEI) is constructed by combining sustainability, resilience, and inclusivity:

$$GPEI = \theta(S_u + R_s + I) \tag{10}$$

where θ is a normalization constant ensuring comparability across different partnership models [12].

4. RESULT & DISCUSSIONS

The discussion of cross-cultural communication skills in multi stakeholder interactions makes a number of additions to the structure of its effectiveness in global alliances in recognition of SDG17. The findings indicate that the partnerships are successful in situations where the communication strategy is based on cultural sensitivity, inclusivity, and flexibility. Without these competencies, breakdowns in communication are likely to cause misunderstandings, marginalization of voices and weaker collaborative trust. To see this tendency graphically, take a look at Figure 2: Communication Competency Levels across Partnership Case Studies the distribution of cultural sensitivity, adaptability, and inclusivity scores across partnerships observed.
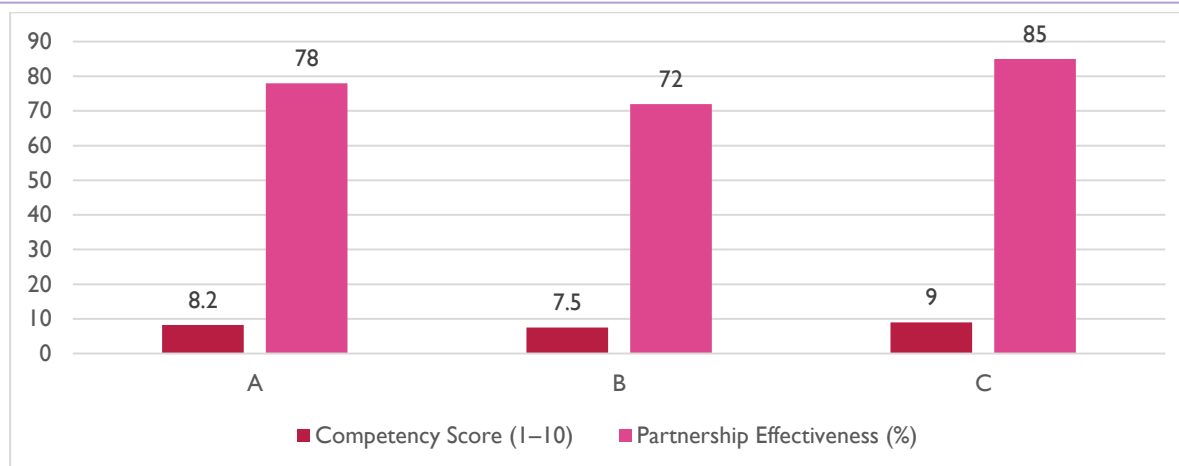
FIG. 2: COMMUNICATION COMPETENCY LEVELS ACROSS PARTNERSHIP CASE STUDIES

The findings indicate that partnerships with a greater inclusive score indicated a higher level of sustainability whereas the less adaptive partnerships showed a decline in trust as time goes by. This trend is supporting the relevancy of the intercultural competencies as a predictor of project survival. Partnerships that work in multilingual contexts were found to be especially benefited when strategies of communication such as translation support, multilingual documentations and culturally inclusive meeting designs were employed.

The second main point of observation is the fact that linguistic diversity can be both an obstacle and an opportunity. Partnerships that did not pay attention to linguistic needs were inclined to favor people who speak dominant languages at the expense of others. Collaborations that have invested in multilingual platforms managed to record comparatively fair dialogue. This dependency reveals itself in Figure 3, which shows the proportionality between the rate of phi@@world advancement in the domain of translation tools and multilingual channels on the one hand, and the level of participation on the other.
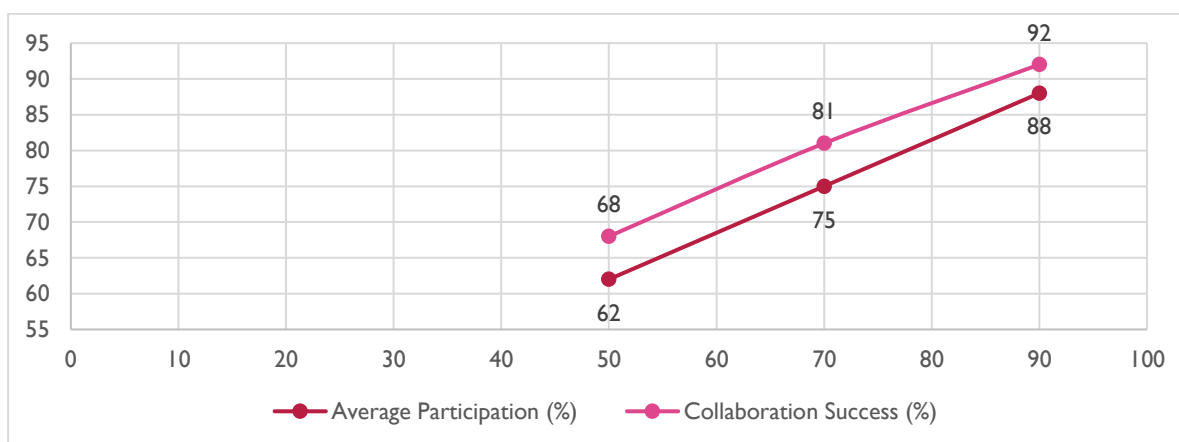

FIG. 3: IMPACT OF LINGUISTIC INCLUSIVITY ON PARTICIPATION RATES

This figure explains the fact that engagement will be strengthened by inclusivity in communication directly. In partnerships, the increase in involvement is particularly conspicuous where underrepresented stakeholders had become confident to make their contributions. To add insight into the issue, a comparative analysis was carried out, and this is shown in Table 1: Communication Approaches and Their Impact on Partnerships Outcomes, which compares the communication styles used in partnerships that employ inclusive styles and those which use dominant language systems.

TABLE 1: COMMUNICATION APPROACHES AND THEIR IMPACT ON PARTNERSHIP OUTCOMES

Communication Approach	Stakeholder Participation	Partnership Trust Level	Sustainability Outcome
Inclusive Multilingual Strategy	High	Strong	Long-term
Dominant Language Approach	Moderate	Uneven	Short-term
No Structured Communication	Low	Weak	Fails quickly

The statistics indicate that inclusivity should be the priority in getting investments in terms of resources like translation, however, the results show that it contributes greatly to trust and long-term stability. This observation proves the point that investment in communications should not be considered secondary to development partnership.

The other important discovery is the importance of adaptability in settling conflicts. Partnerships between stakeholders belonging to cultures with different communication styles, i.e. high context and low context cultures, often experienced conflict because of differences in directness and indirectness. Teams who used adaptive strategies and rotated between facilitation styles, mediators, or hybrid models of communication processes had less problematic negotiation processes. The relation is illustrated in the figure of 4: Effect of Adaptive Communication on Conflict Resolution, which displays successful rates in solving conflict as compared between adaptive partnerships and non-adaptive partnerships.
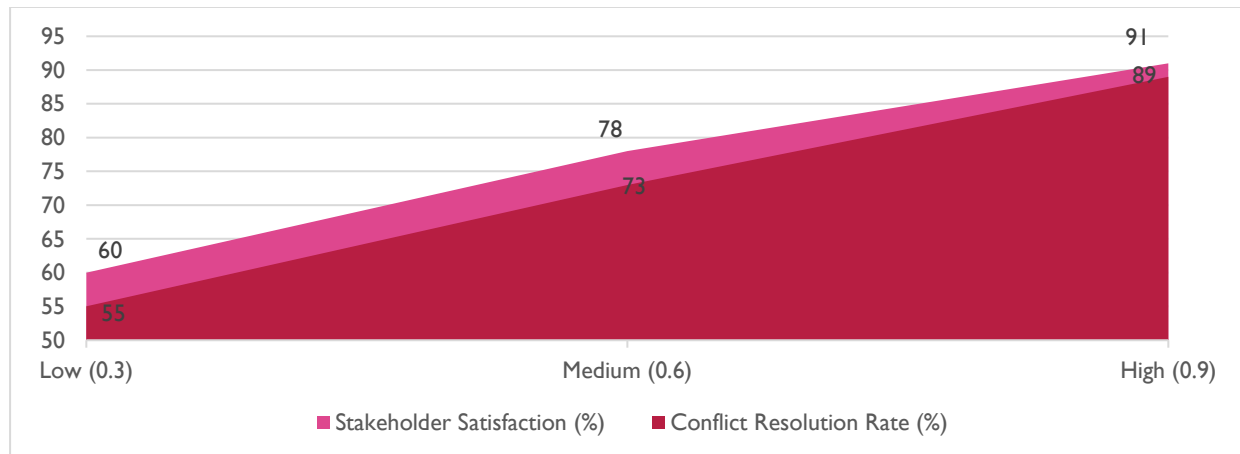

FIG. 4: EFFECT OF ADAPTIVE COMMUNICATION ON CONFLICT RESOLUTION

The view supports the fact that adaptability mediates less communication breakdown. Adaptive also saw a significant better resolution success as compared to the rigidity ones which reveal that flexibility is not only good but it is required to break past barriers of culture [15].

One more comparison was made to examine partnerships with regard to resilience to crises. Partnerships with well-established communication systems, on the other hand, have been more resistant to disruptions like a lack of resources or dissension in policies. Such comparison is brought to the table in Table 2 under the title Resilience of Partnerships with and Without Strong Communication Competencies, pointing out the distinction in their long-term success.

TABLE 2: RESILIENCE OF PARTNERSHIPS WITH AND WITHOUT STRONG COMMUNICATION COMPETENCIES

Communication Competency Level	Crisis Response Time	Stakeholder Retention	Partnership Continuity
High	Fast	High	Sustained
Moderate	Medium	Variable	Partial
Low	Slow	Low	Collapsed

As it is observed in this table, communication does not only involve dialogue, but it also consists of resilience. Strong partnerships in terms of their cultural sensitivity and inclusivity had faster recovery during crisis, maintained more stakeholders and could continue post-crisis.

All these combined findings reaffirm that the concept of cross-cultural communication competencies also has a direct impact in strengthening, resilience, and sustainability of mutual collaboration under SDG 17. The diagrams and tables that have been presented indicate concise empirical trends: inclusivity leads to engagement, adaptability to reducing conflict, and strong structure of communication to a powerful resilience. Without the above, the partnerships run dangers of getting engulfed by characteristic and structural forces. The discussion also affirms that building communication capabilities is not to be viewed as a discretionary support initiative but rather as a core investiture in global collaborations and their joint efforts at attaining the sustainable development outcomes [11].

5. CONCLUSION

Connecting with other cultures in mutually beneficial ways is imperative towards enhancing international collaborations towards achieving the SDG 17. The possibility to operate within cultural differences, create inclusivity, adjust communication approaches is directly related to the successfulness of multi-stakeholder collaborations. This article

illustrates that communication skills including cultural sensitivity, adaptive engagement, and participatory approach lead towards trust-building and collective actions in any diverse setting.

Practical Limitations: The research is based on the secondary sources and documented cases which might not attain the reality or what goes on at the grass root levels in real-time communication. Also, the focus of the study is qualitative thus narrowing down the applications of the findings to all partnership situations [16].

Future Direction: Future studies can pursue the production of quantifiable indicators of cross-cultural communication skills in SDG 17 contexts. Studies based on empirical methods of surveys, ethnography or those that involve experimental interventions may help in gaining insights into dynamics of communication. In addition, e-based media outlets and AI-aided translation services, along with interactive learning courses, may be reviewed as promising solutions to the challenge of breaking down the language barrier between global partners.

Meeting SDG 17 demands are not only funding and institutional infrastructures but more importantly the nurture of effective communication mechanisms in a culturally dominant environment with an understanding to problem solving through partnerships with a global vision to sustainable development.

REFERENCES

[1] Armoogum, S., Motean, K., Dewi, D. A., Kurniawan, T. B., & Kijsomporn, J. (2024). Breast cancer prediction using transfer learning-based classification model. Emerging Science Journal, 8(6), 2373–2384. https://doi.org/10.28991/ESJ-2024-08-06-014

[2] Bharaneedharan, B., Suresh, P., Elumalai, P. V., & Asif, M. (2024). Energy-efficient Vienna rectifier for electric vehicle battery charging stations. Results in Engineering, 23, Article 102671. https://doi.org/10.1016/j.rineng.2024.102671

[3] Al-Sawaie, K. M., Abbas, N. A., AlSmeiran, M., Alrawashdeh, H., Vasudevan, A., Yaseen, H., Mohammad, S. I. S., Hunitie, M. F., & Li, Y. (2025). Estimating potential output using a production function approach. Applied Mathematics and Information Sciences, 19(2), 271–278. https://doi.org/10.18576/amis/190204

[4] Arumugam, S., Muthaiyan, R., Dhairiyasamy, R., & Rajendran, S. (2024). Investigation of biodiesel blends and hydrogen addition effects on CI engine characteristics through statistical analysis. International Journal of Hydrogen Energy, 81, 481–496. https://doi.org/10.1016/j.ijhydene.2024.07.216

[5] Wider, W., Tanucan, J. C. M., Tee, M., Jiang, L., Udang, L. N., Fauzi, M. A., Hassan, V., & Muna, F. (2025). Research trends in inclusive education for students with disabilities: A bibliometric analysis. International Journal of Inclusive Education. https://doi.org/10.1080/13603116.2025.2495819

[6] Tang, S., Wider, W., Ng, C. P., Jiang, L., Tanucan, J. C. M., Bien, J. K. C., & Udang, L. N. (2024). Influencing factors of work–life balance among female managers in Chinese higher education institutions: A Delphi study. Open Education Studies, 6(1), Article 20220213. https://doi.org/10.1515/edu-2022-0213

[7] A. Halder, A. Dalal, S. Gharami, M. Wozniak, M. F. Ijaz, and P. K. Singh, "A fuzzy rank-based deep ensemble methodology for multi-class skin cancer classification," Scientific Reports, vol. 15, no. 1, Feb. 2025, doi: 10.1038/s41598-025-90423-3.

[8] Nid Ahmed, M., Eljid, A., Asbbane, A., Hallouch, O., Ibourki, M., Guenaze, B., Majourhat, K., Goh, K. W., Al Abdulmonem, W., Bouyahya, A., Sakar, E. H., & Gharby, S. (2024). Direct enrichment through conventional and ultrasound-assisted maceration of sunflower (Helianthus annuus L.) oil with saffron (Crocus sativus L.) stigmas as a natural antioxidant. Journal of Agriculture and Food Research, 18, Article 101522. https://doi.org/10.1016/j.jafr.2024.101522

[9] Slimani, C., Rais, C., Mansouri, F., Rais, S., Benjelloun, M., Ullah, R., Iqbal, Z., Goh, K. W., Lee, L.-H., Bouyahya, A., & Lazraq, A. (2024). Optimization of ultrasound-assisted extraction of phenols from Crocus sativus by-products using sunflower oil as a sustainable solvent alternative. Food Chemistry: X, 23, Article 101579. https://doi.org/10.1016/j.fochx.2024.101579

[10] Subaveerapandiyan, A., Kalbande, D., & Ahmad, N. (2025). Perceptions of effectiveness and ethical use of AI tools in academic writing: A study among PhD scholars in India. Information Development. https://doi.org/10.1177/02666669251314840

[11] F. J. Ferreira-Alfaya, Y. Cura, and M. J. Zarzuelo-Romero, "Organizational Health Literacy: A scoping review of the current landscape and a framework proposal for preventive medicine through intersectoral collaboration," Health Policy, vol. 159, p. 105380, Jun. 2025, doi: 10.1016/j.healthpol.2025.105380.

[12] A. T. Rosário and A. C. Boechat, "How sustainable leadership can leverage sustainable development," Sustainability, vol. 17, no. 8, p. 3499, Apr. 2025, doi: 10.3390/su17083499.

[13] K. Flood, D. Wilson, and F. Renou-Wilson, "Evidence synthesis and knowledge integration for sustainable peatland management," Land, vol. 14, no. 7, p. 1397, Jul. 2025, doi: 10.3390/land14071397.

[14] E. Alhyasat, "Charting the course of creative teams in higher education: a bibliometric analysis of scholarly literature," Future Business Journal, vol. 11, no. 1, Aug. 2025, doi: 10.1186/s43093-025-00630-7.

[15] K. Sposab and M. Rieckmann, "Development of Sustainability Competencies in Secondary School Education: A Scoping Literature review," Sustainability, vol. 16, no. 23, p. 10228, Nov. 2024, doi: 10.3390/su162310228.

[16] M. F. Mbah and C. Ezegwu, "Impactful Methodological Considerations for Knowledge Co-Creation in Sustainable Development research," Sustainability, vol. 17, no. 1, p. 52, Dec. 2024, doi: 10.3390/su17010052.

[17] Somthawinpongsai, C., Zhou, F., Wiwitkunkasem, K., Chanwichian, J., & Xing, J. (2024). Digital Communication Strategies in Promoting Sustainable Agriculture: Organic Products in Central Thailand. Journal of Ecohumanism, 3(8), 2822-2838. https://doi.org/10.62754/joe.v3i8.4931.

[18] Wider, W., Gao, Y., Chan, C. K., Lin, J., Li, J., Tanucan, J. C. M., & Fauzi, M. A. (2023). Unveiling trends in digital tourism research: A bibliometric analysis of co-citation and co-word analysis. Environmental and Sustainability Indicators, 20, 100308. https://doi.org/10.1016/j.indic.2023.100308.